

| Mnemonics | | |
|-----------|----------------------|--------------------|
| Curve | Description | Units |
| GRAX | Gamma Ray Apparent | API 0.5 ft. avg. |
| GRIX | Gamma Ray Density | Points |
| ROP_AVG | Rate of Penetration | ft/hr 3.0 ft. avg. |
| TCDX | Downhole Temperature | deg F |

| | | |
|----------|--------------------------|-------------------|
| TVD | True Vertical Depth | ft. |
| WOBA_AVG | Surface Weight On Bit | klbf 1.0 ft. avg. |
| GRTX | Gamma Time Since Drilled | min |
| | | |

Equipment and Service Data

| LWD Run No. | Tool | Serial Number | Measurement | Bit Offset (ft.) | Max O.D. (in.) | Min I.D. (in.) |
|-------------|------|---------------|-------------|------------------|----------------|----------------|
| 1 | DIR | 10264844 | Directional | 62.25 | 6.750 | 0.000 |
| 1 | SRIG | 11602059 | Gamma | 58.87 | 6.750 | 3.250 |
| 2 | SRIG | 12521741 | Gamma | 62.23 | 4.750 | 1.750 |
| 2 | DIR | 12592567 | Directional | 65.61 | 4.750 | 1.750 |


Service and Tool Mnemonics

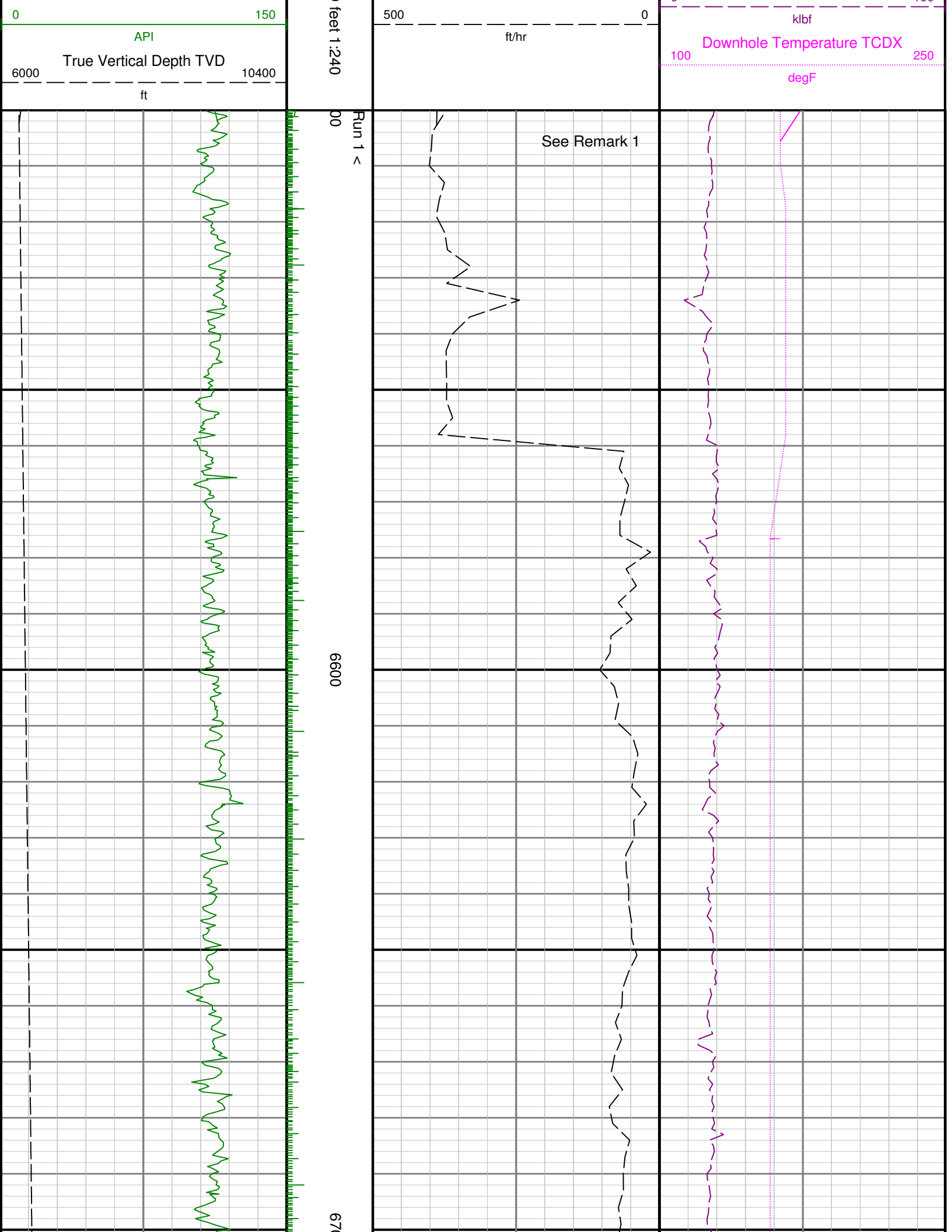
| Mnemonic | Name | Description |
|----------|-----------------------|--|
| DIR | Directional | Wellbore directional survey |
| SRIG | Inclination and Gamma | Probe based gamma ray and inclination module |

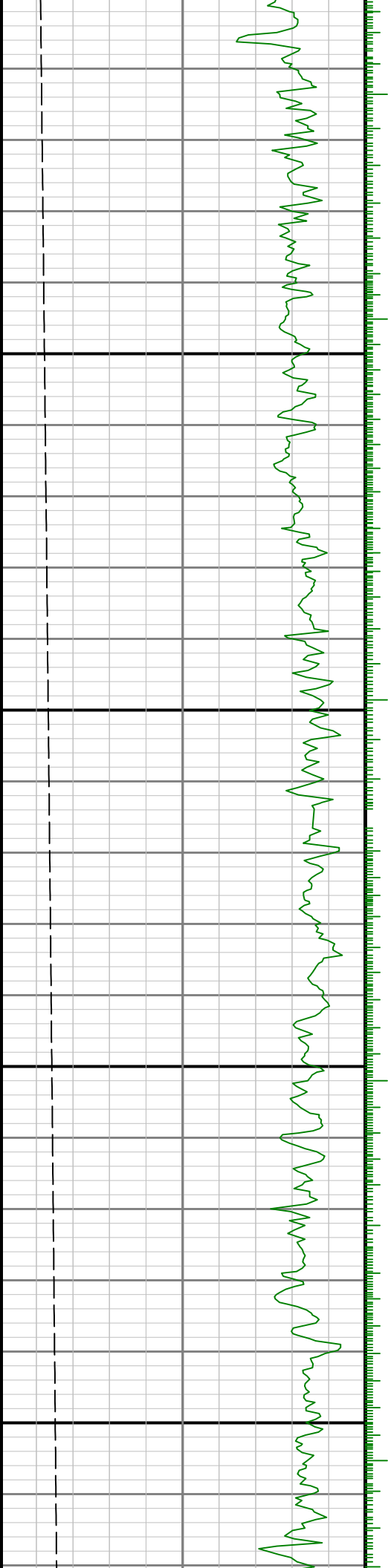
Comments

| |
|---|
| <p>1) Baker Hughes INTEQ run 1 utilized a 6.5 inch NaviGamma (Gamma Ray and Directional) tool behind a 8 3/4inch bit and steerable assembly from surface to 7572 ft. MD (7010 ft. TVD).</p> <p>2) Baker Hughes INTEQ run 2 utilized a 4.75 inch NaviGamma (Gamma Ray and Directional) tool behind a 6 1/8 inch bit and steerable assembly from 7572 to ft. MD (7010 to ft. 7006 TVD).</p> |
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| Curve Mnemonics | | |
|-----------------|--|------------------------|
| Curve | Description | Units |
| GRAX | <i>Gamma Ray - Apparent</i> | <i>API</i> |
| GRIX | <i>Gamma Ray - Data Point Indicator</i> | <i>unitless</i> |
| ROPA | <i>AVERAGE Instantaneous ROP - 5 second ROP</i> | <i>ft/hr</i> |
| TCDX | <i>Downhole Temperature</i> | <i>degF</i> |
| TVD | <i>True Vertical Depth TVD</i> | <i>ft</i> |
| WOBA | <i>AVERAGE Weight On Bit</i> | <i>klbf</i> |

| | | | |
|--|----|-------------------------------------|---------------------------------------|
| <div> <div>  </div> <div> <div>Company : Kerr-Mcgee oil and gas onshore lp</div> <div>Well : Barefoot 33N-25HZ</div> <div>Interval : 6500.08 - 12585.00 feet</div> <div>Created : 31/Jul/2014 4:48:17 PM</div> </div> </div> | | | |
| Gamma Ray Apparent 0.5 ft Avg GRAX | MD | Rate of Penetration 3.0 ft Avg ROPA | Surface Weight On Bit 1.0 ft Avg WOBA |

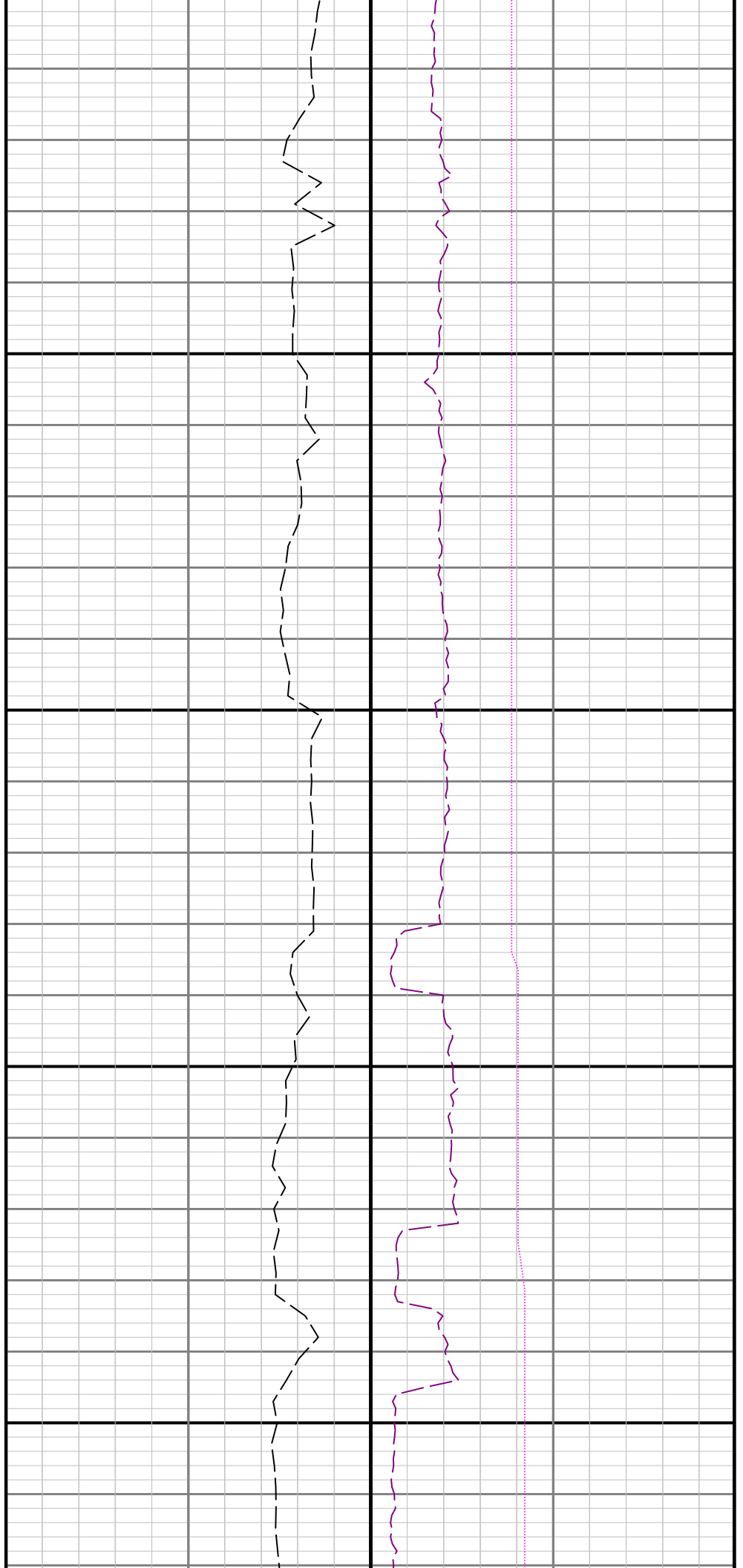


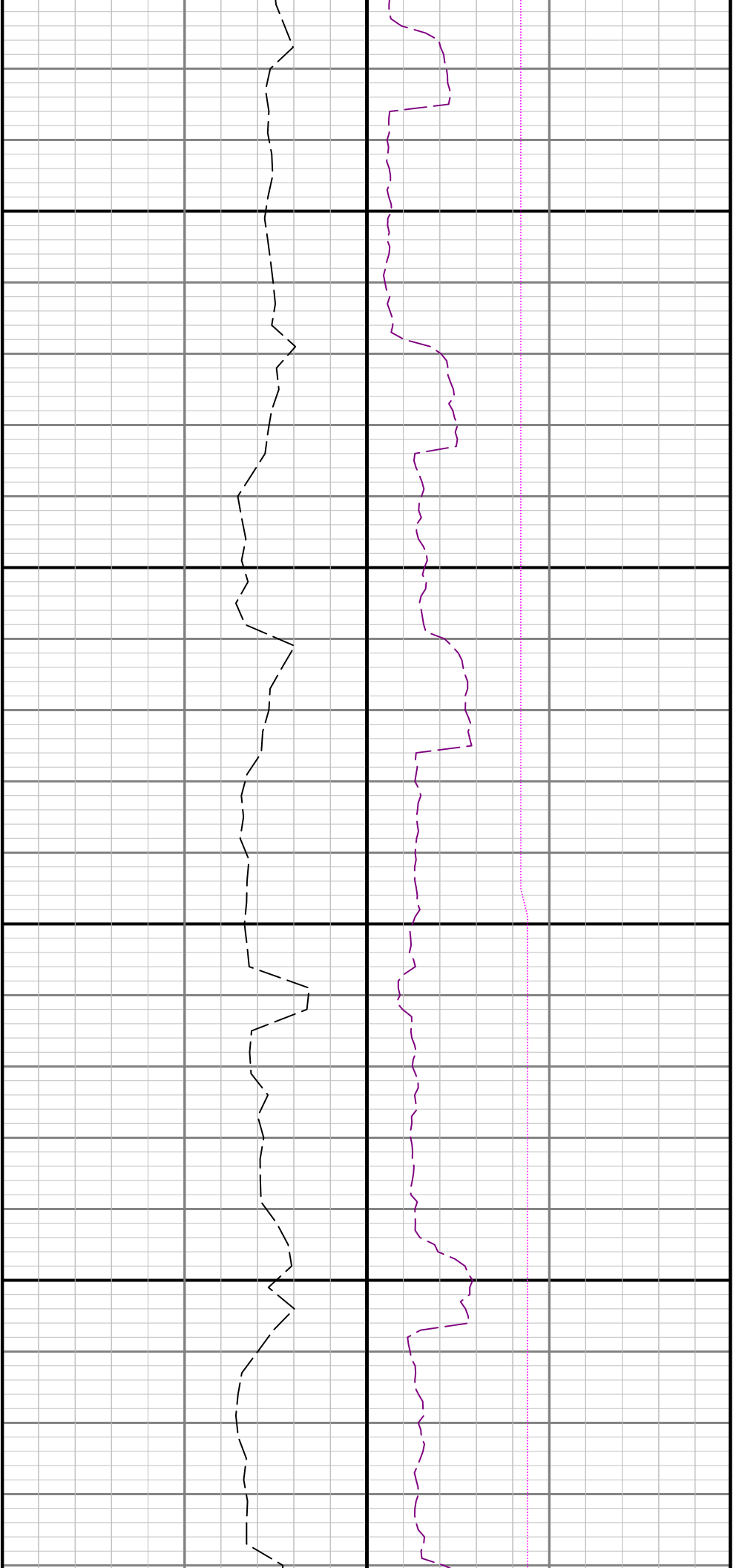


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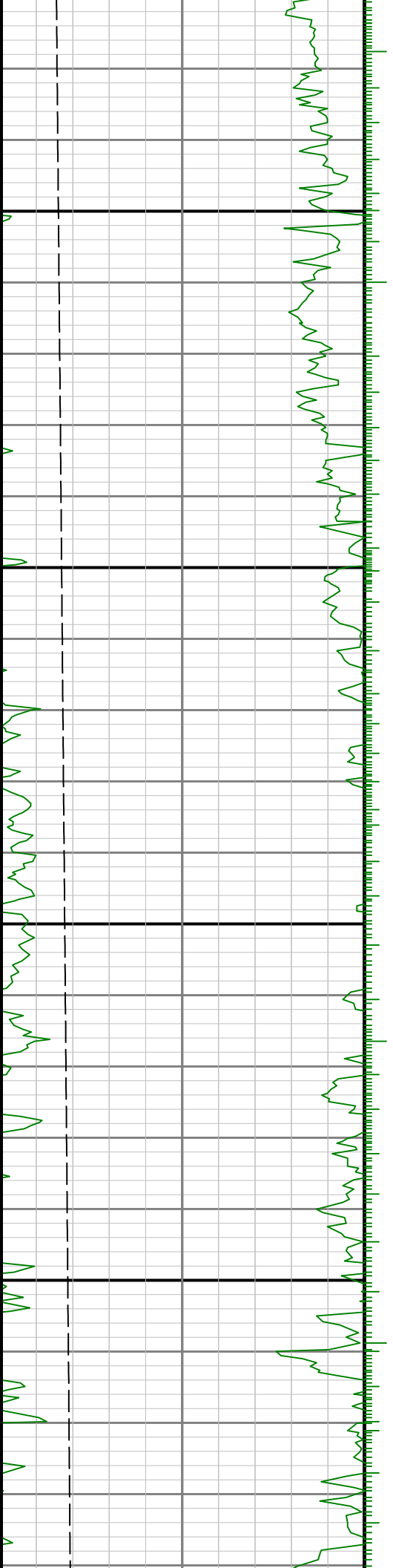
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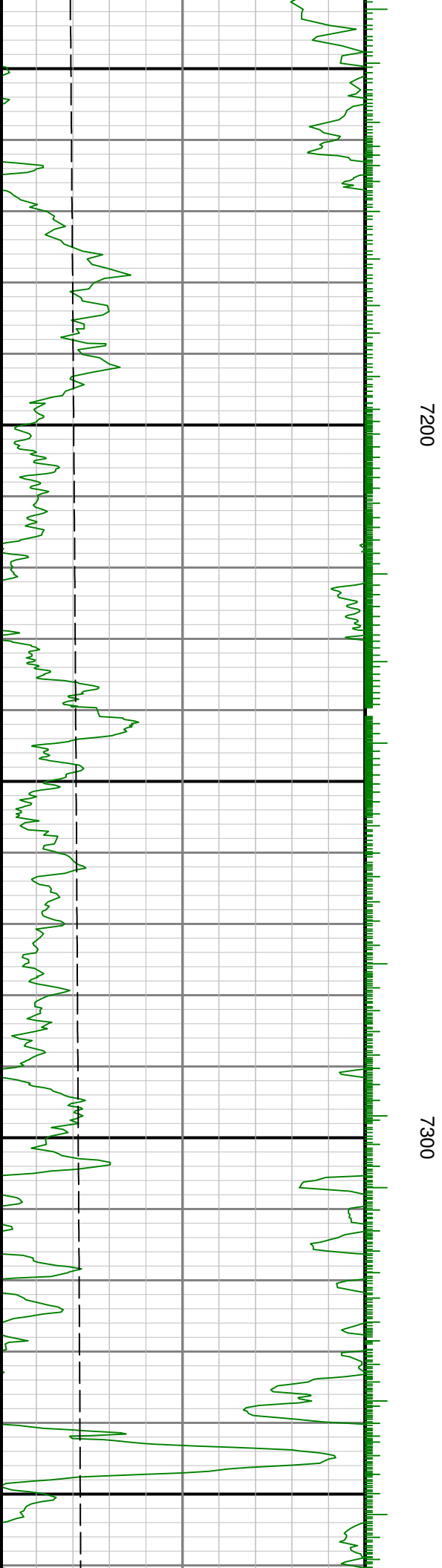
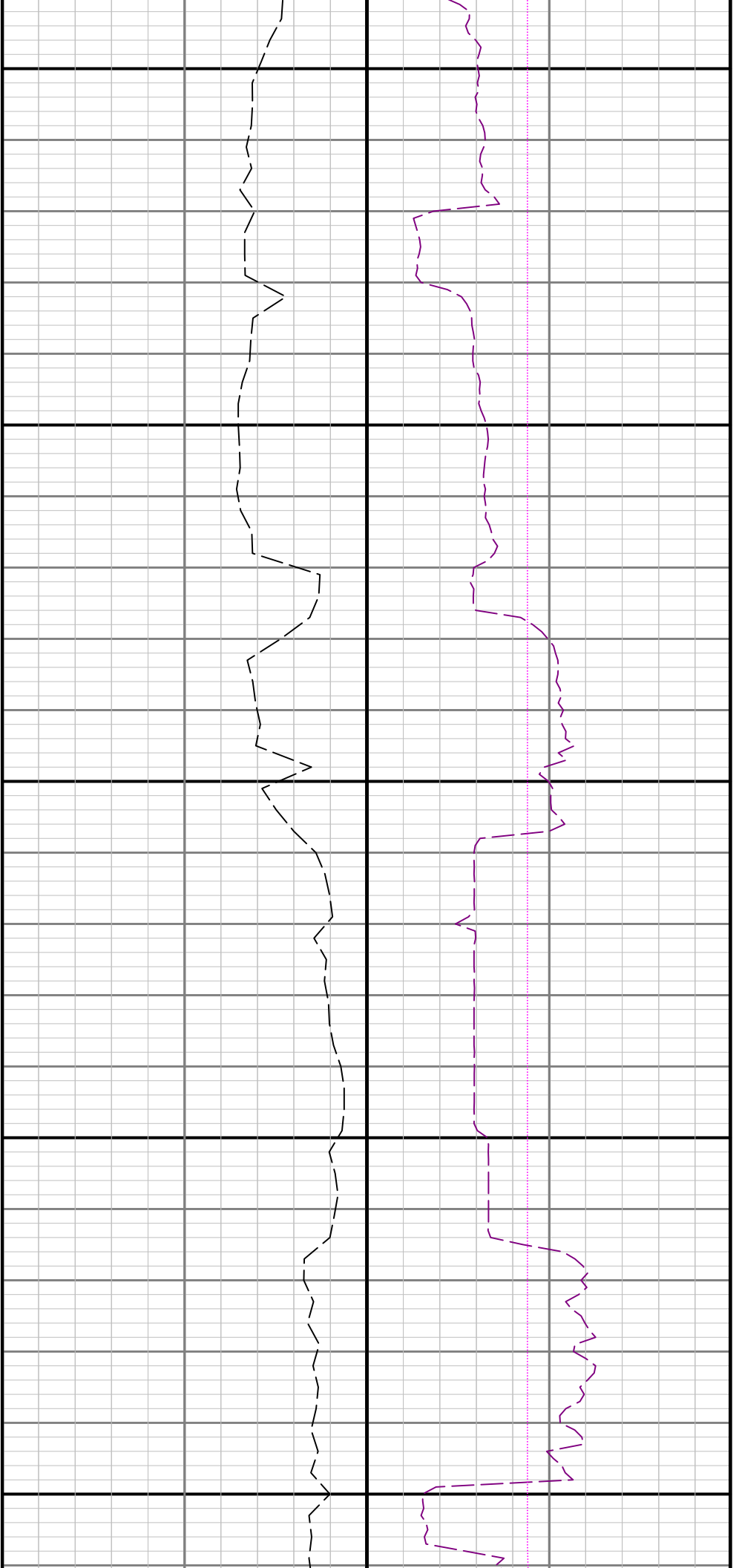


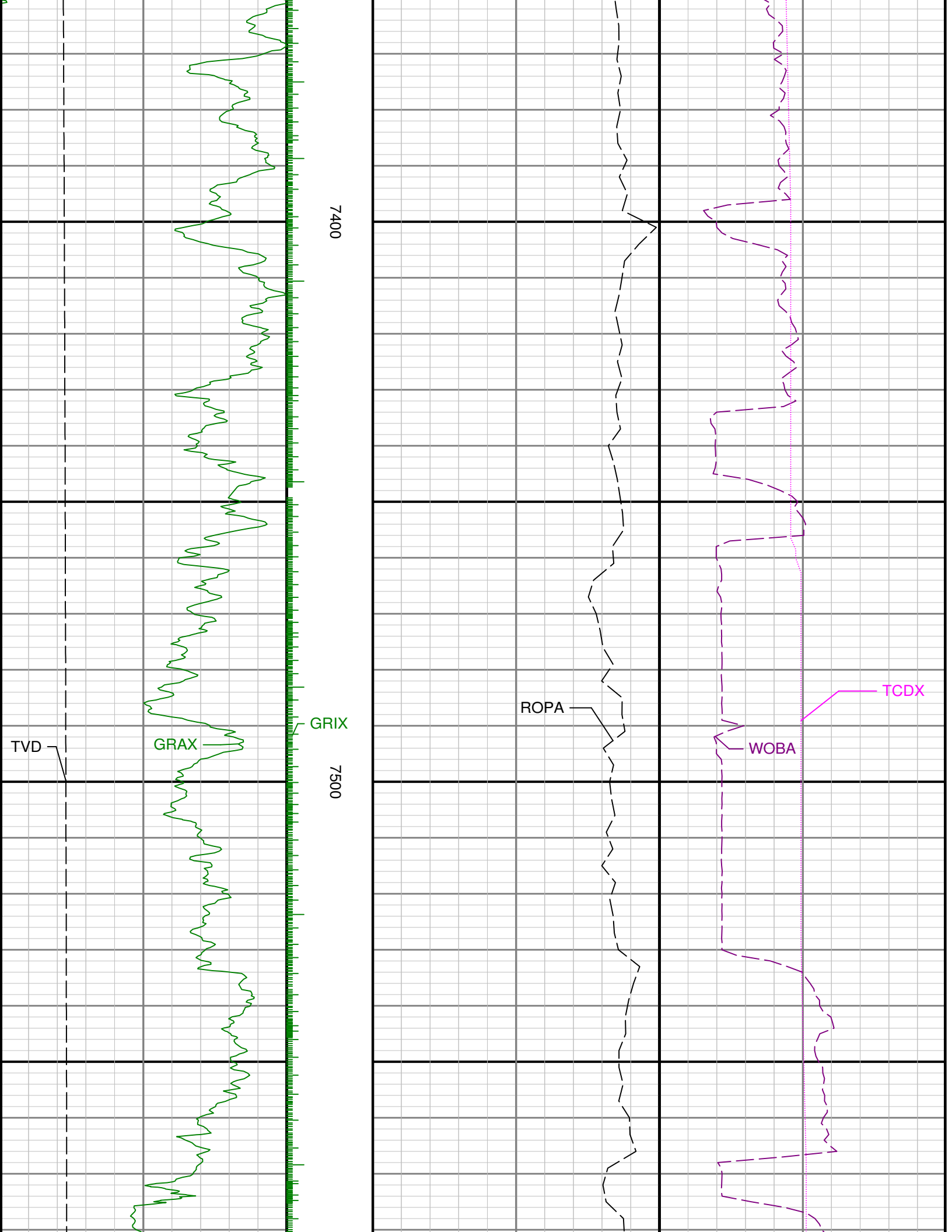


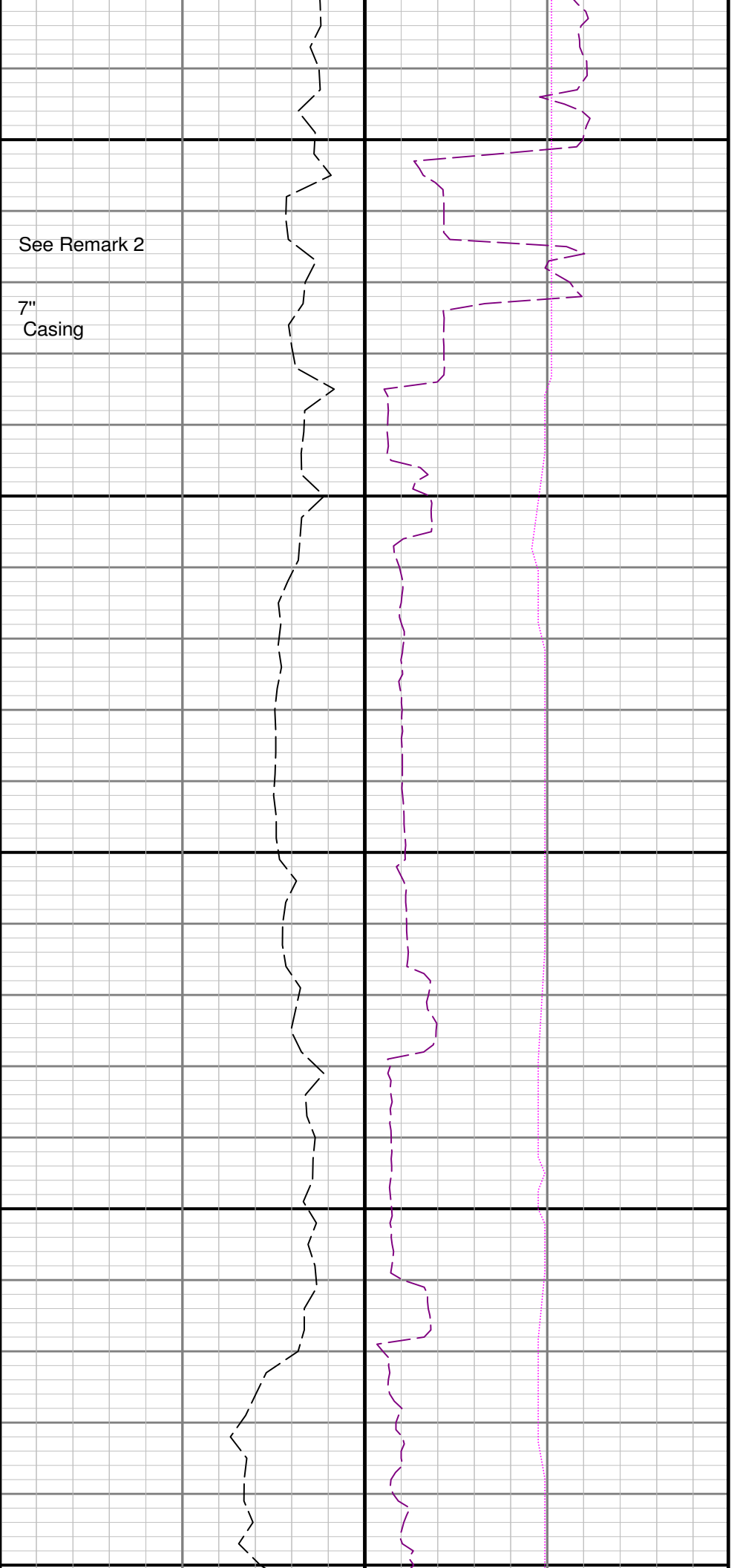
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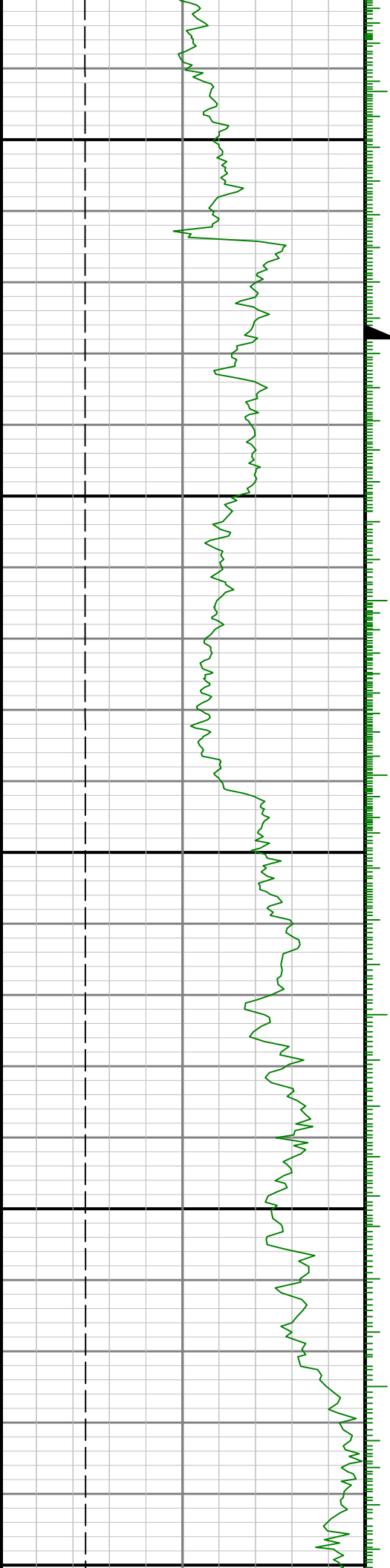
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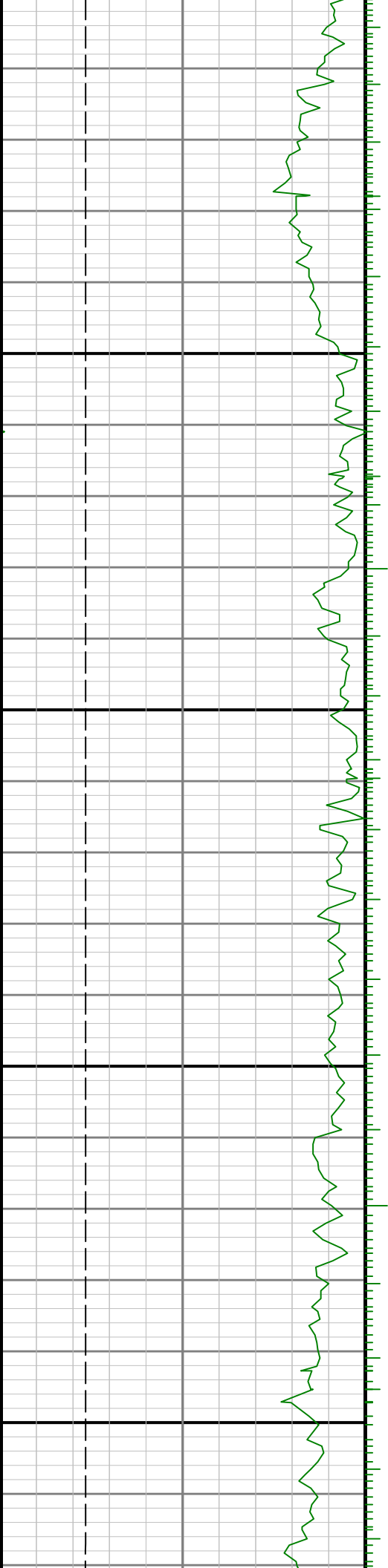
Run 1 >

< Run 2

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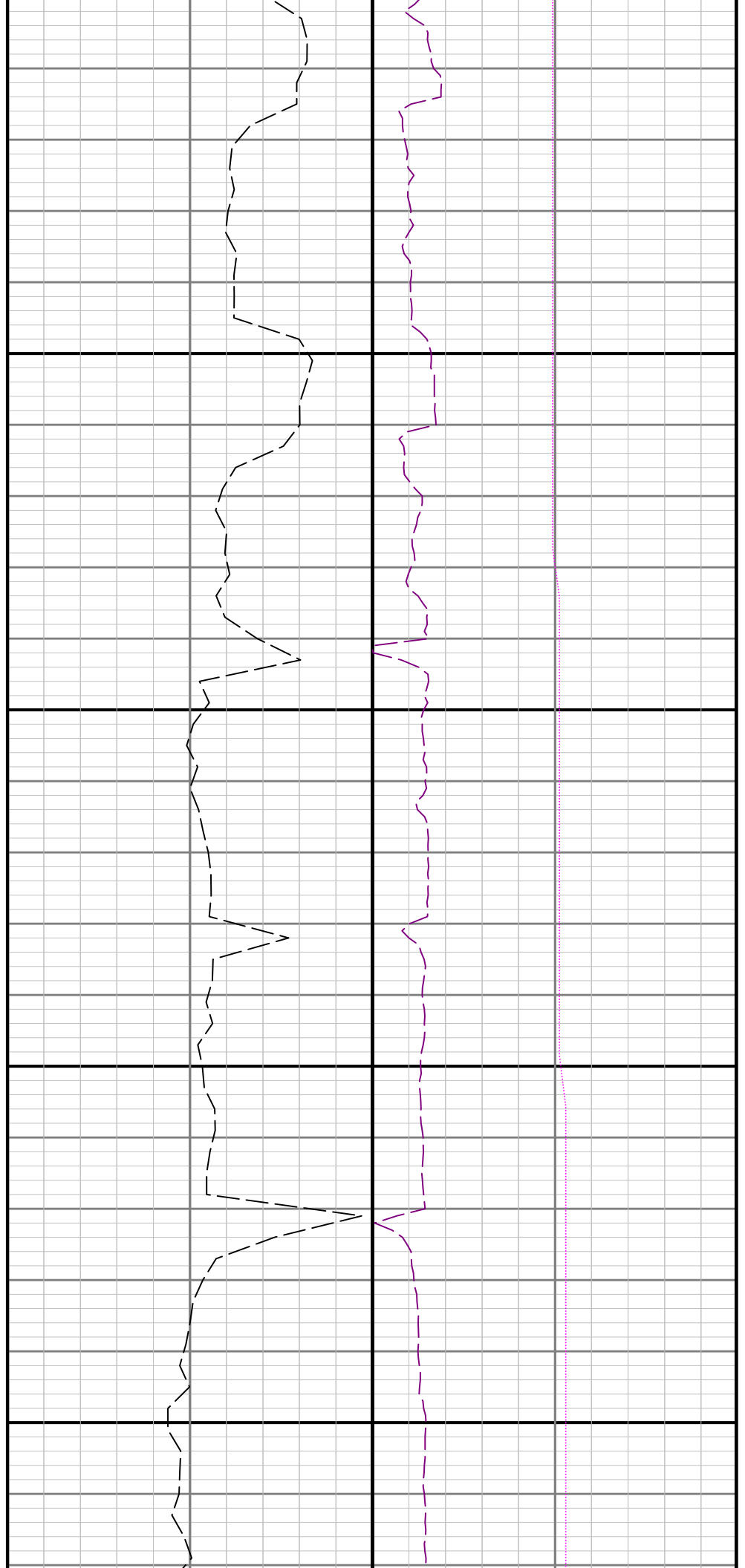


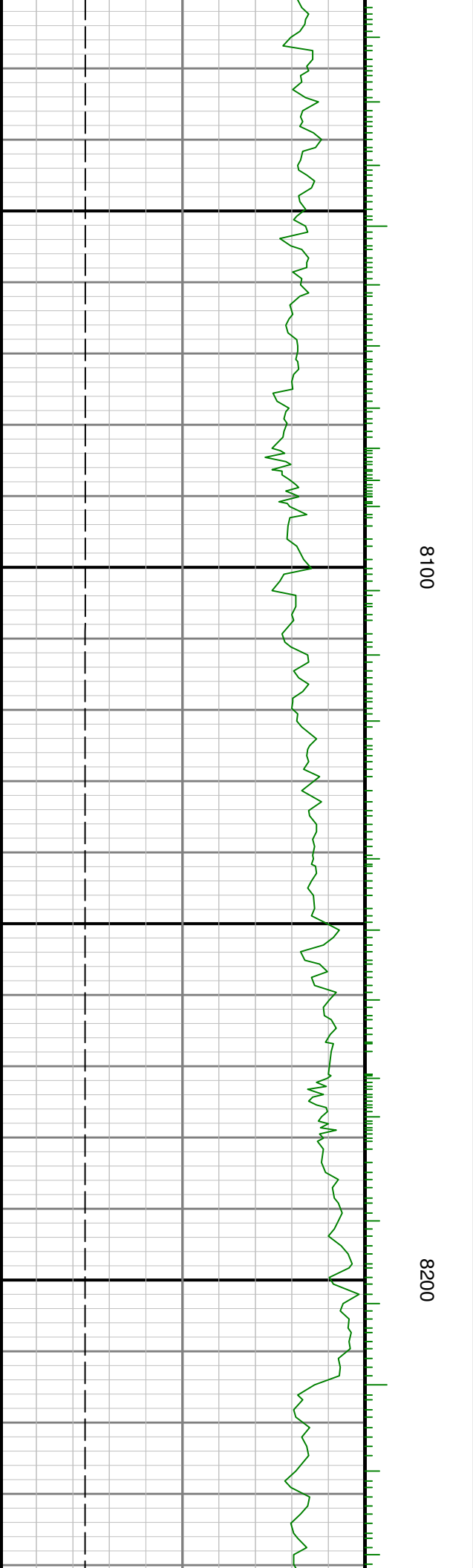
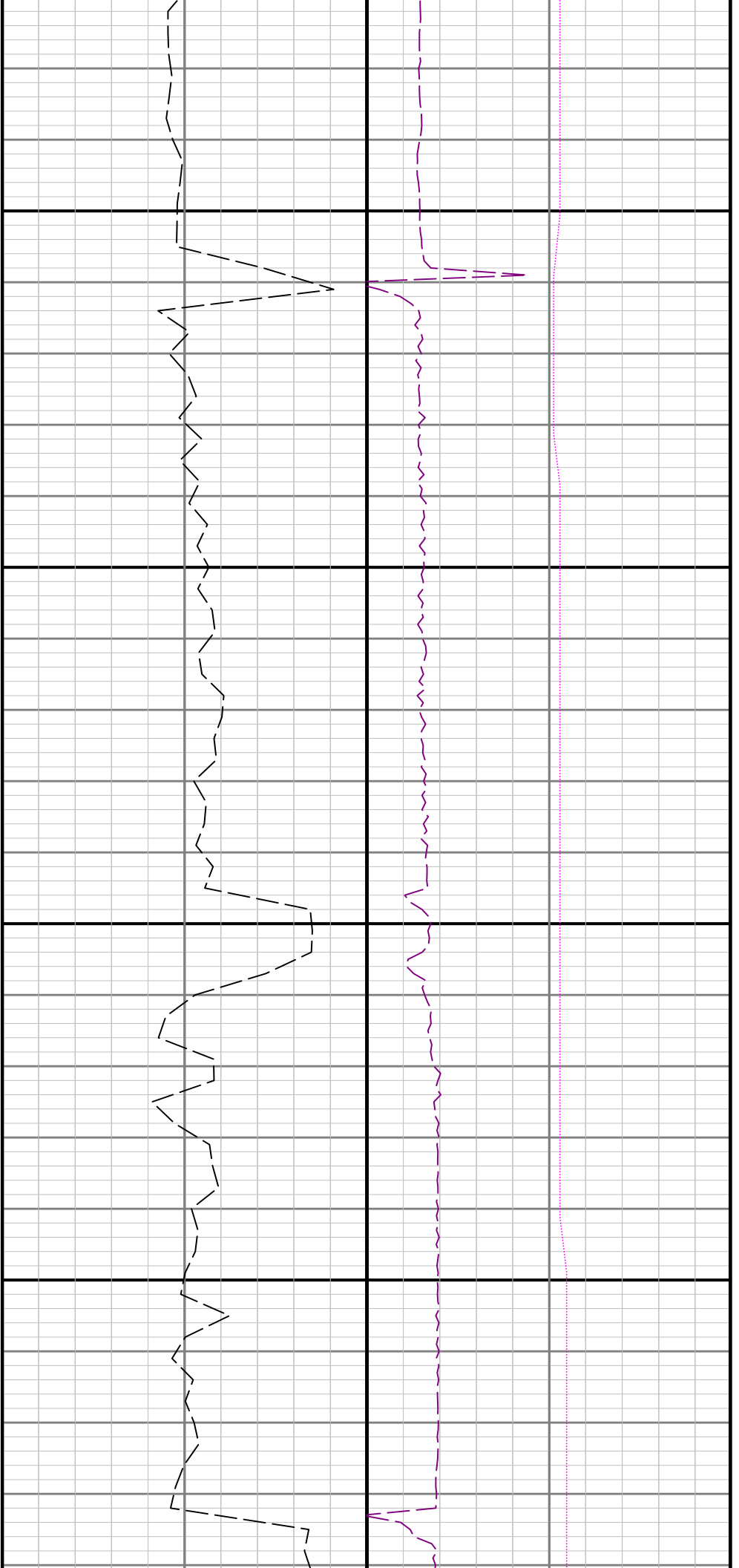


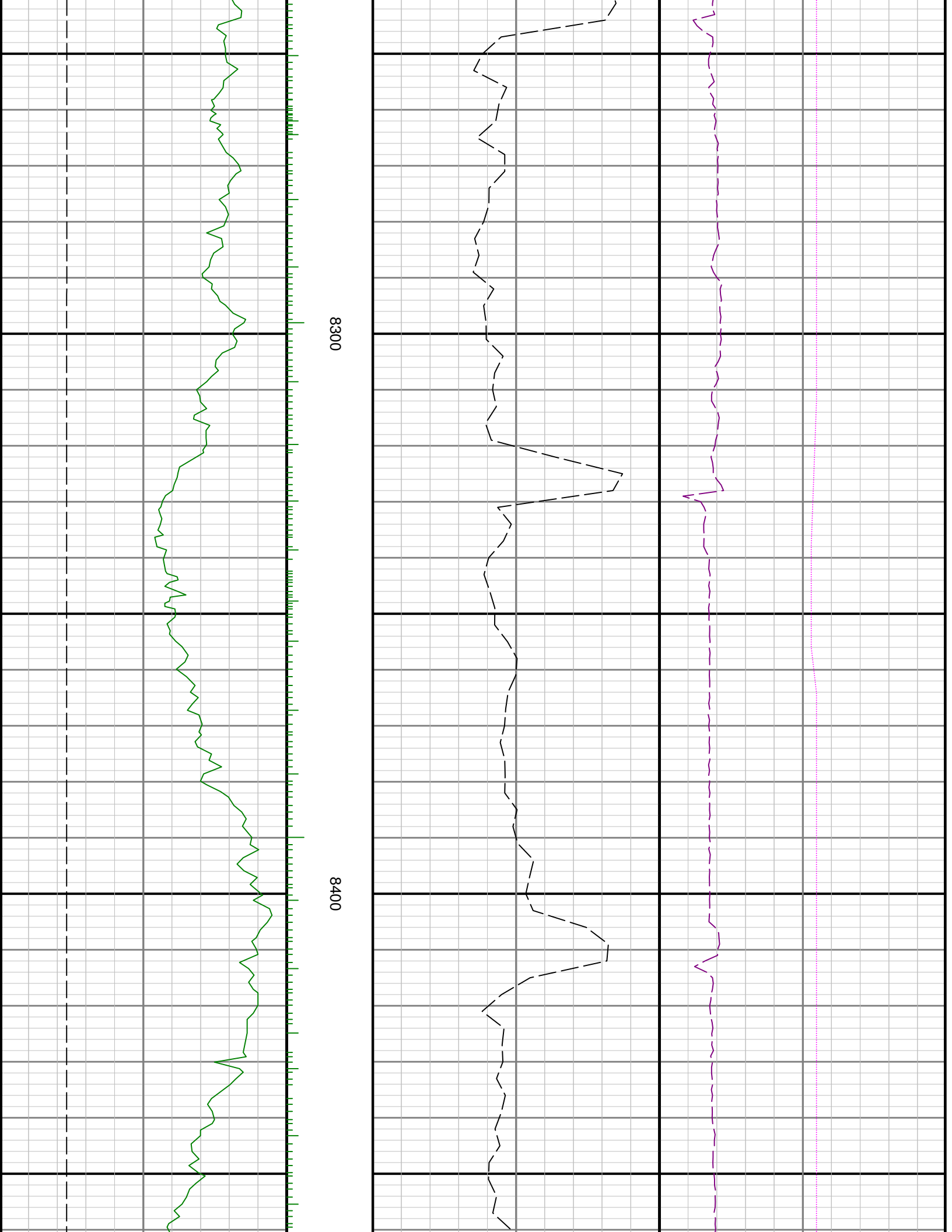
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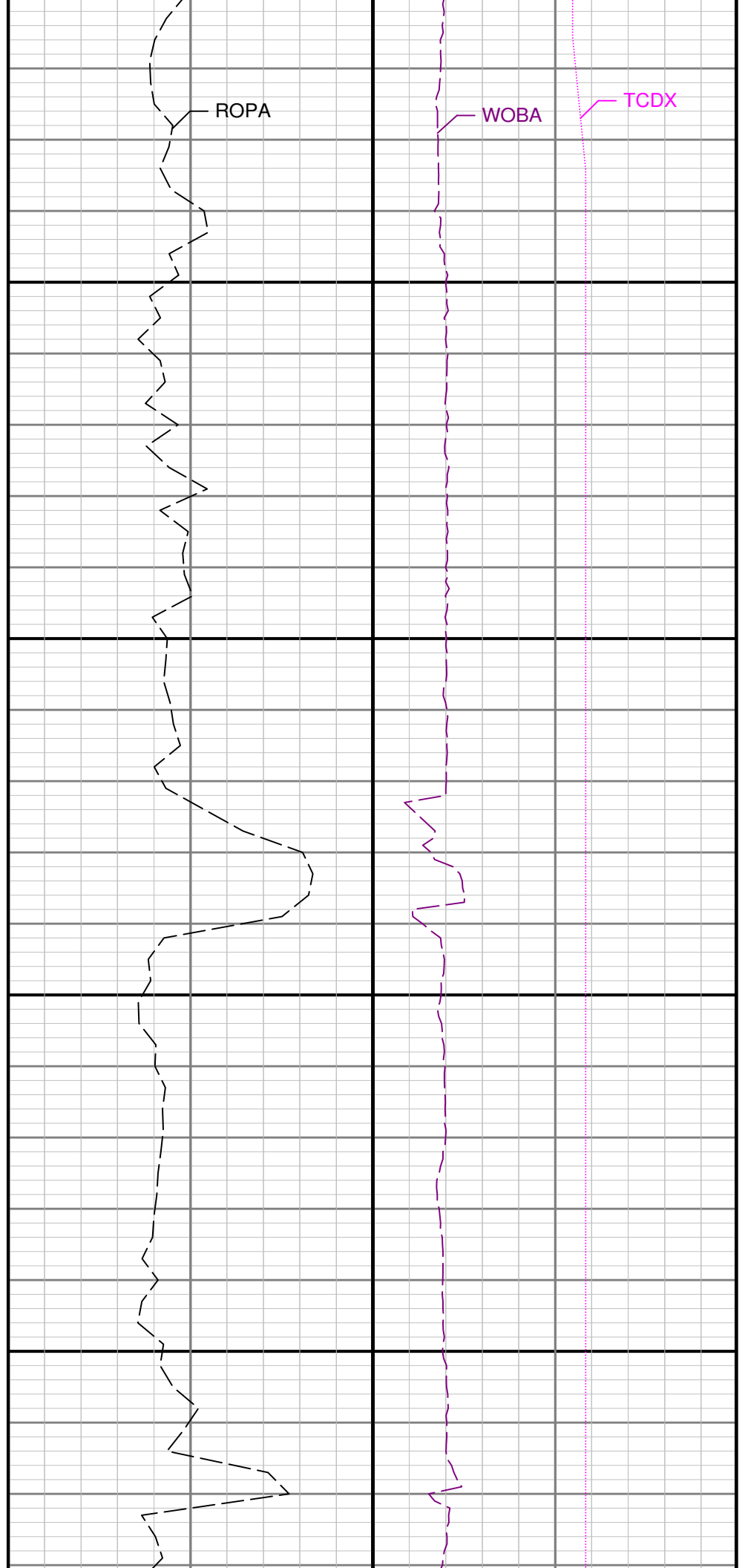
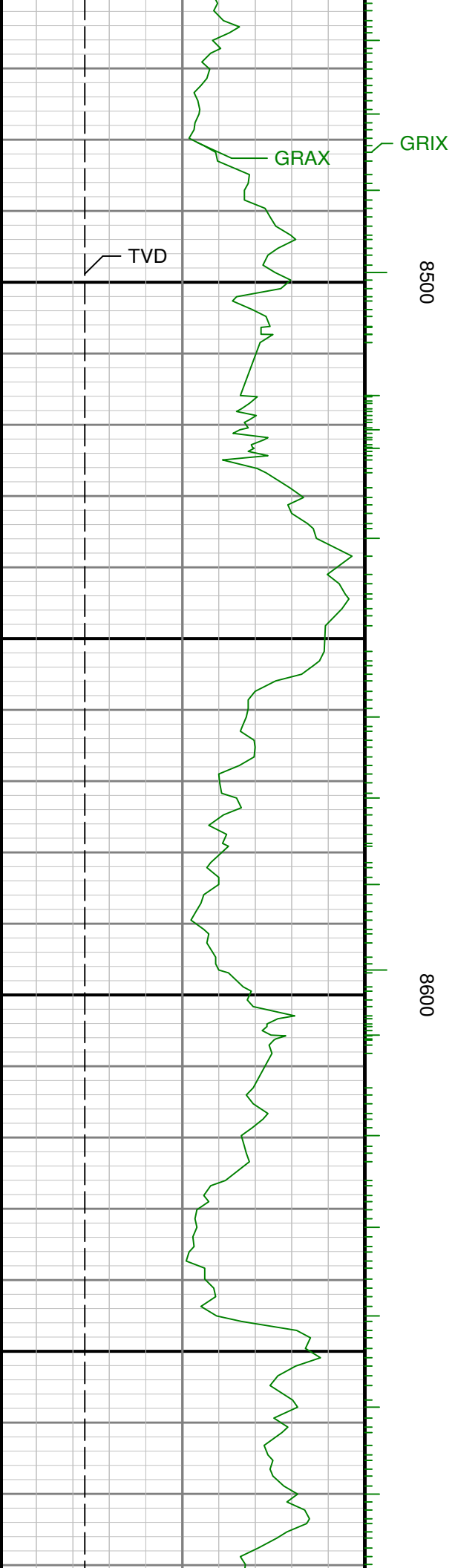
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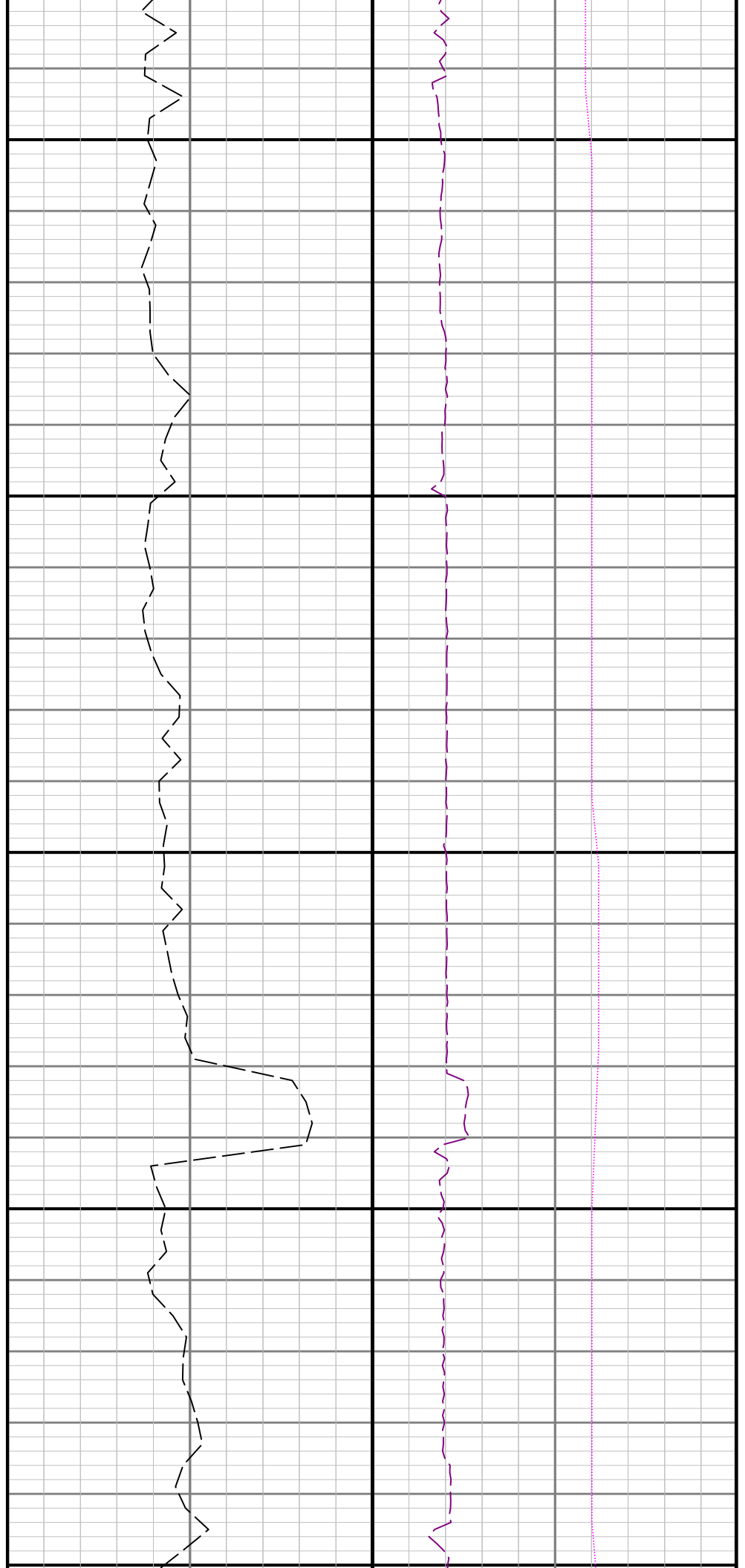
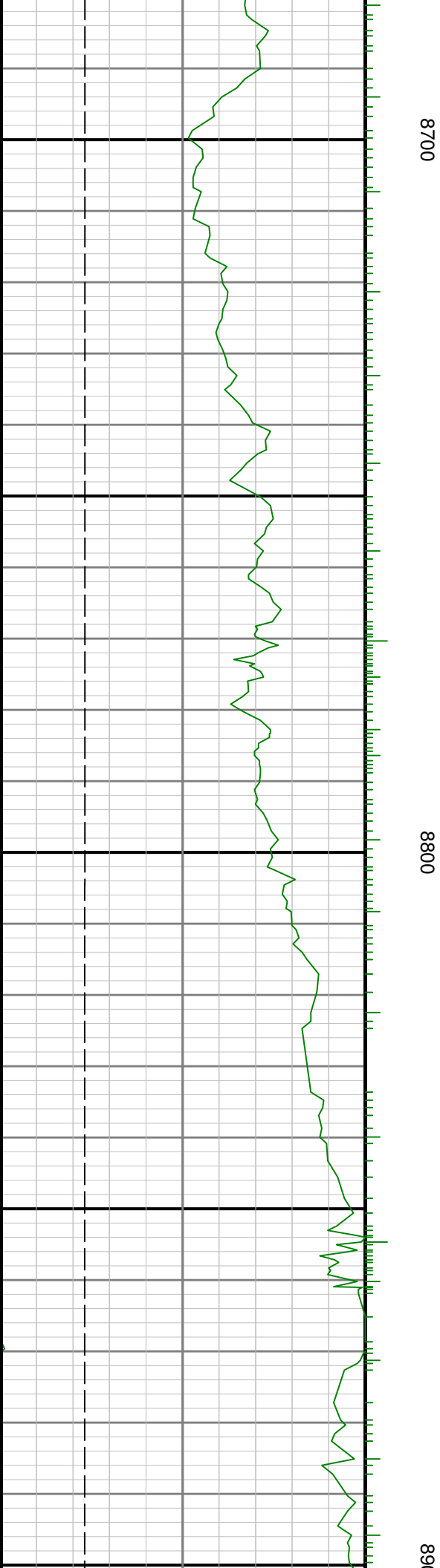
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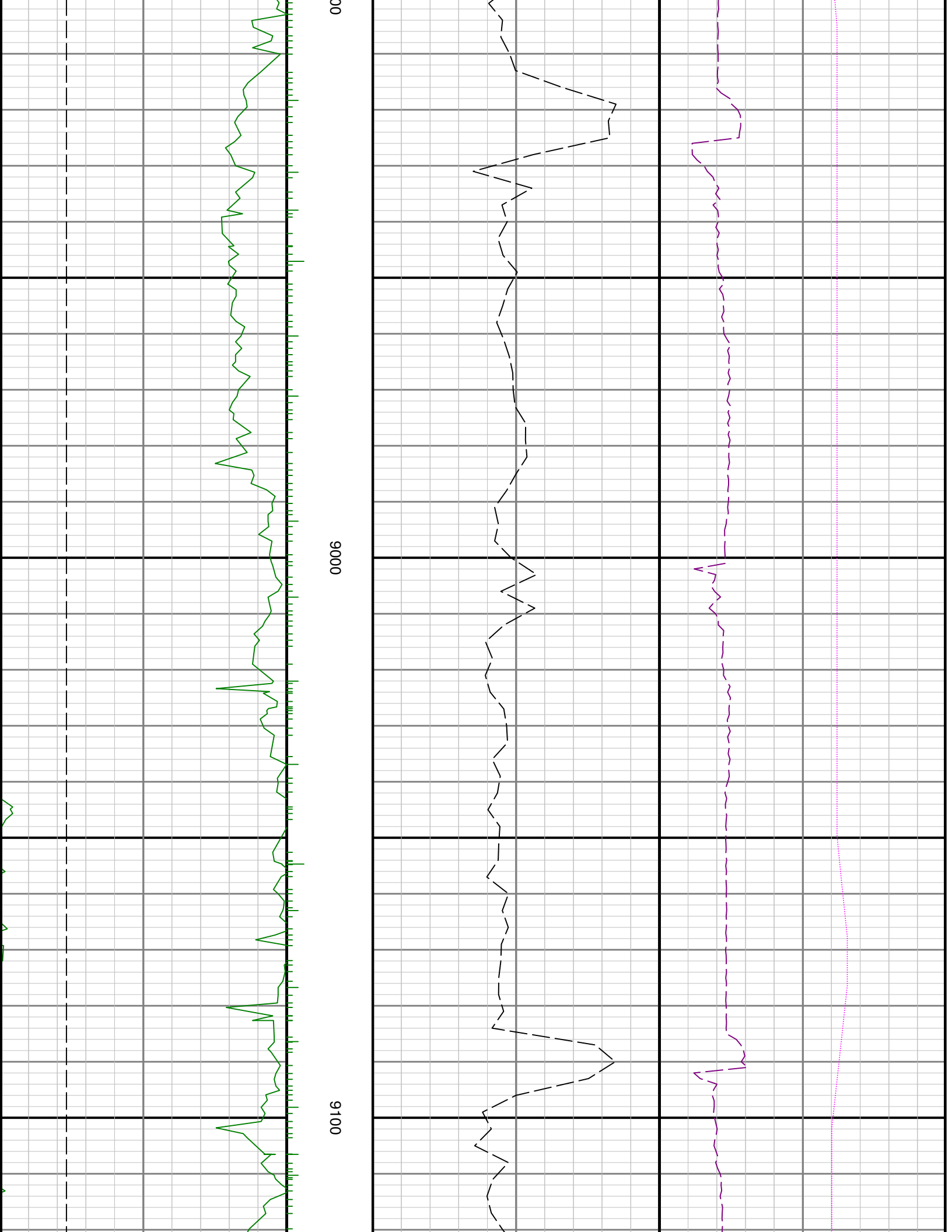


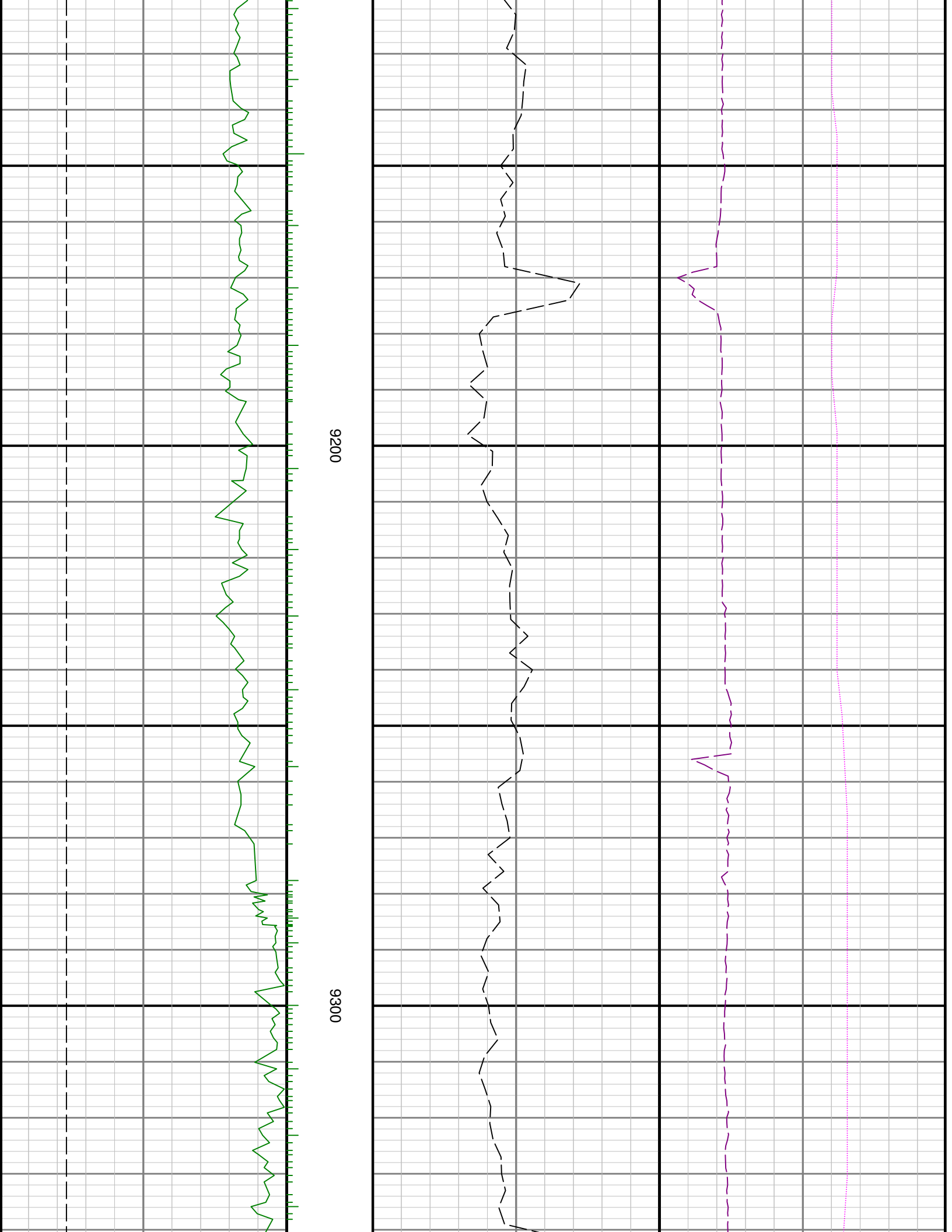


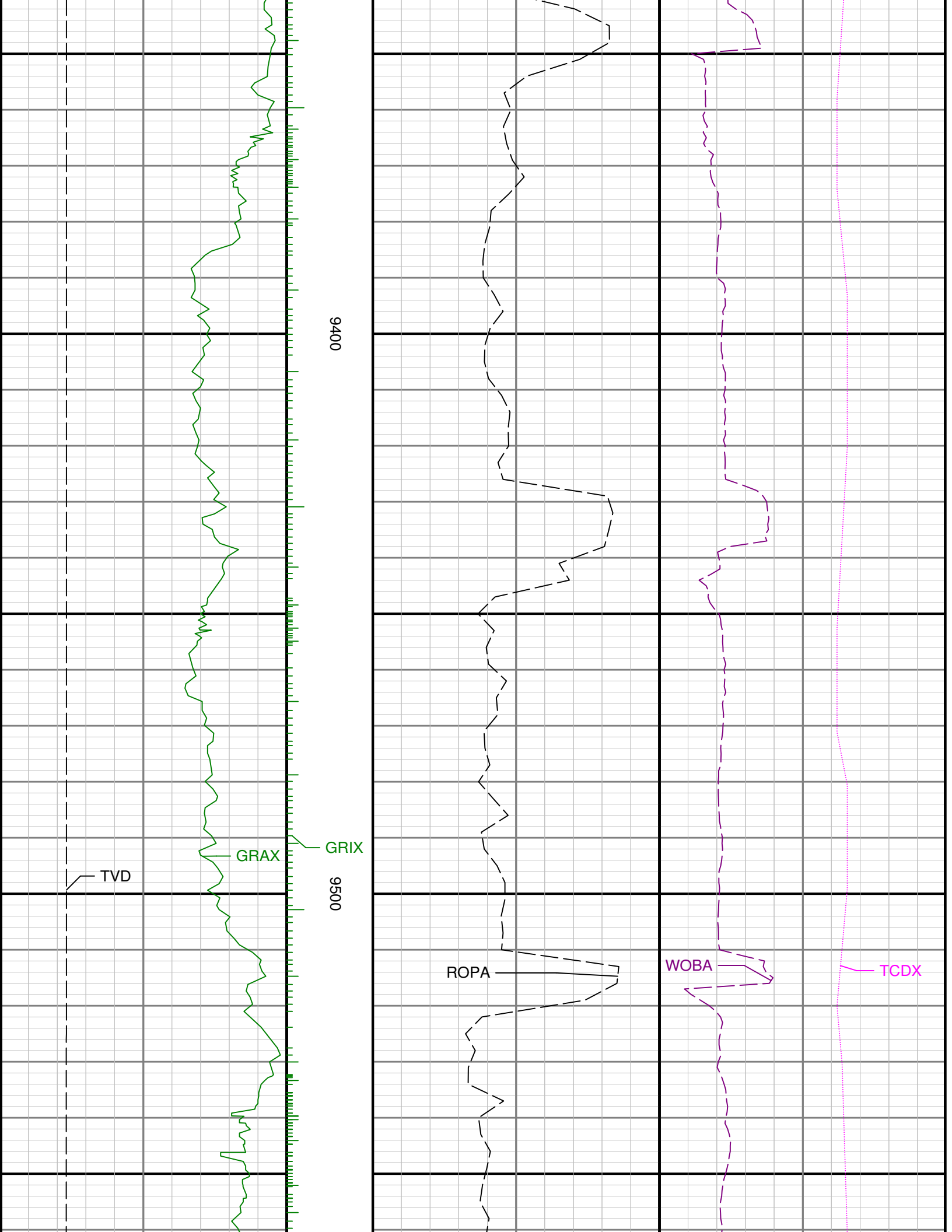


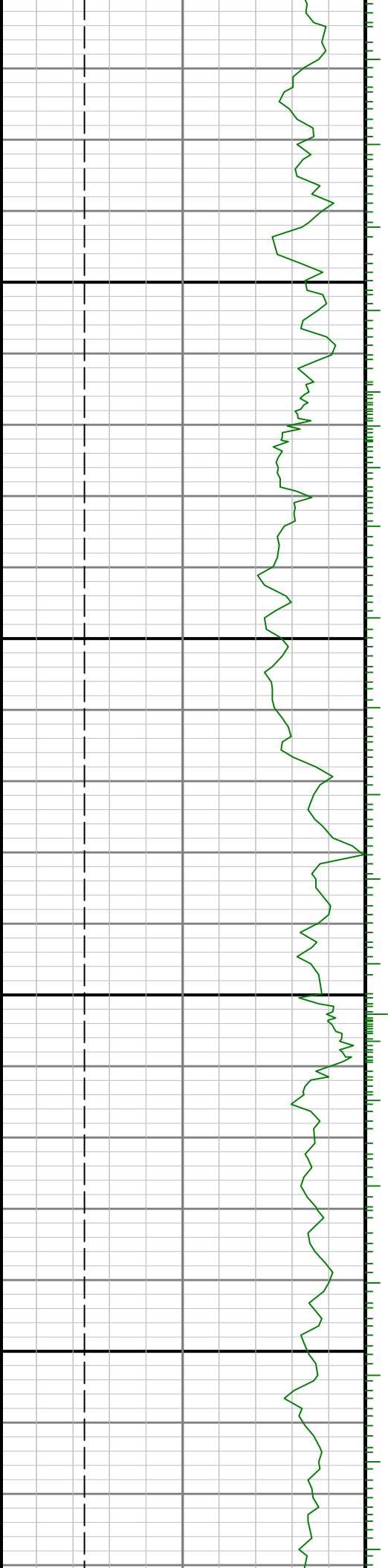






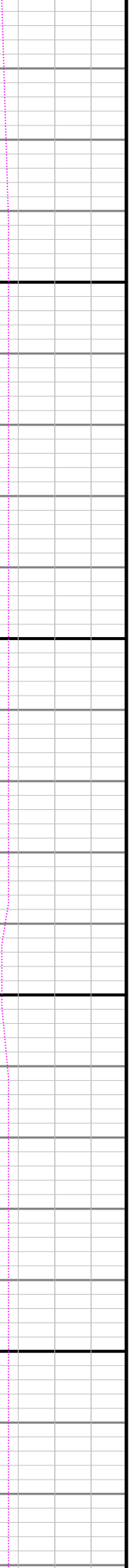
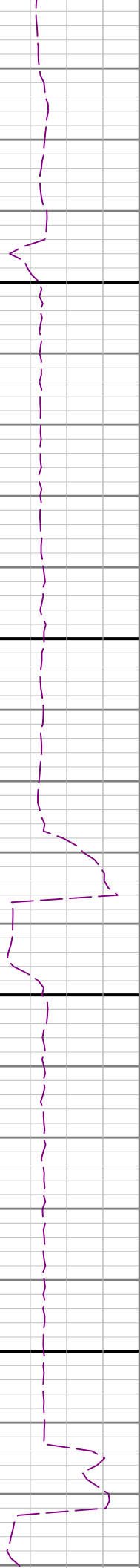
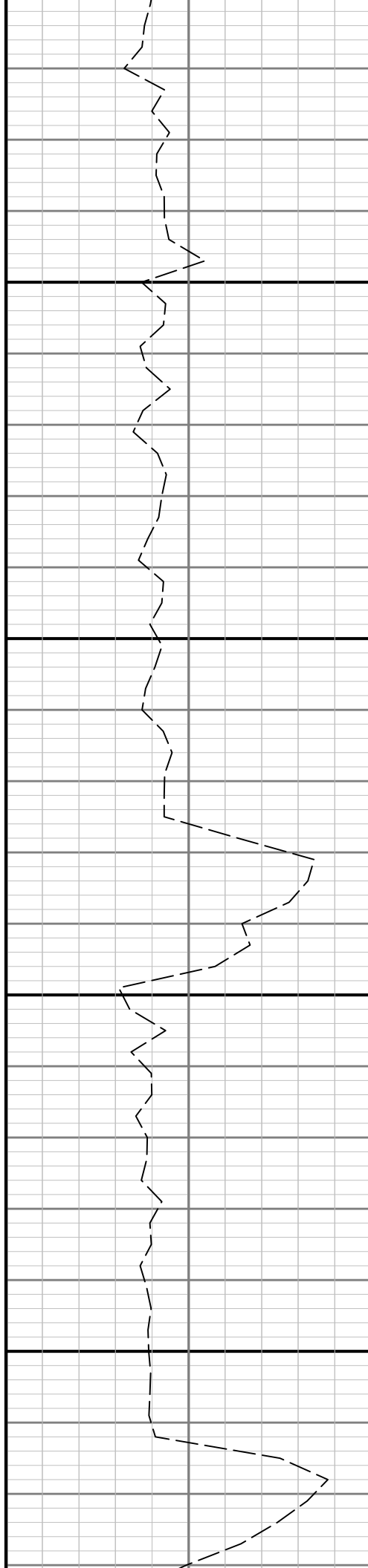


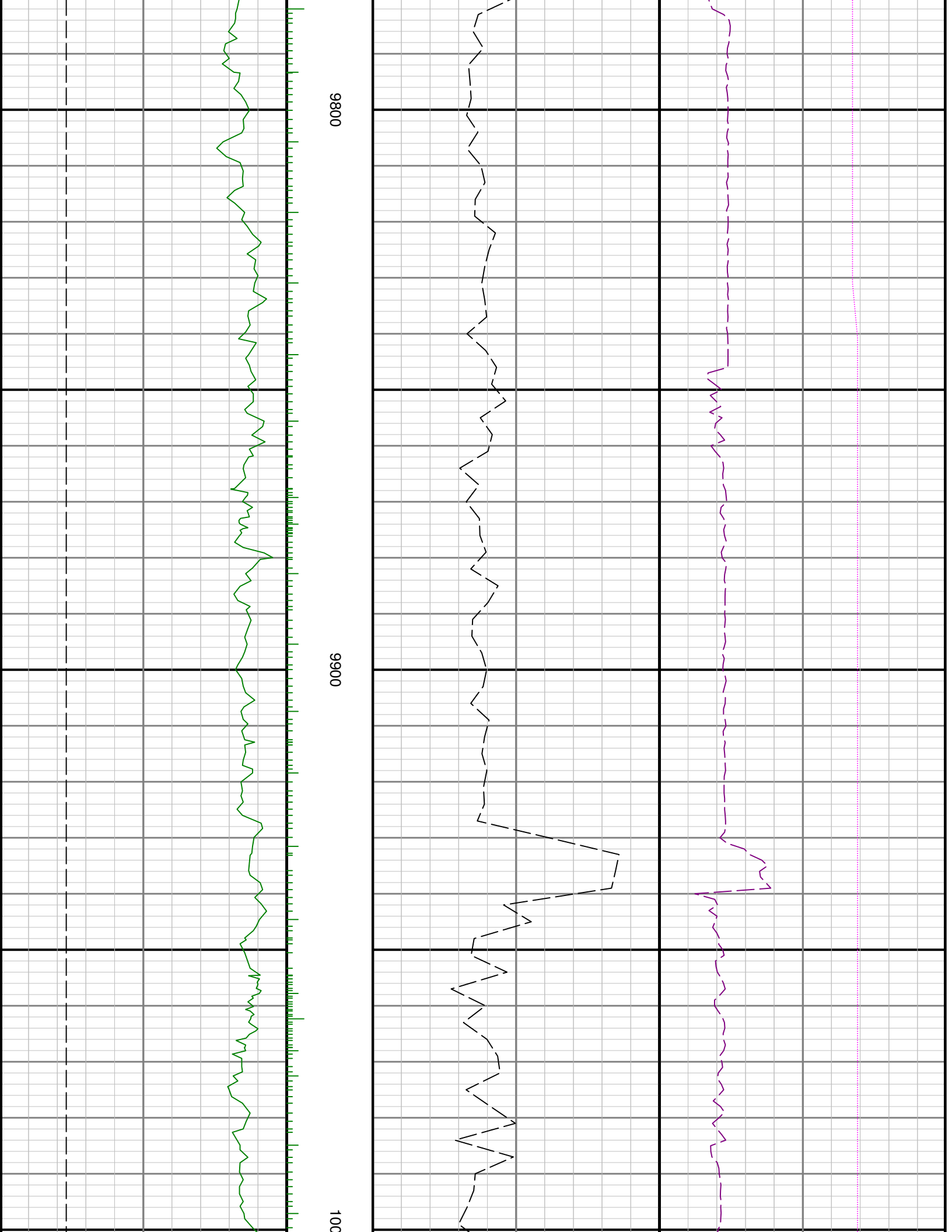


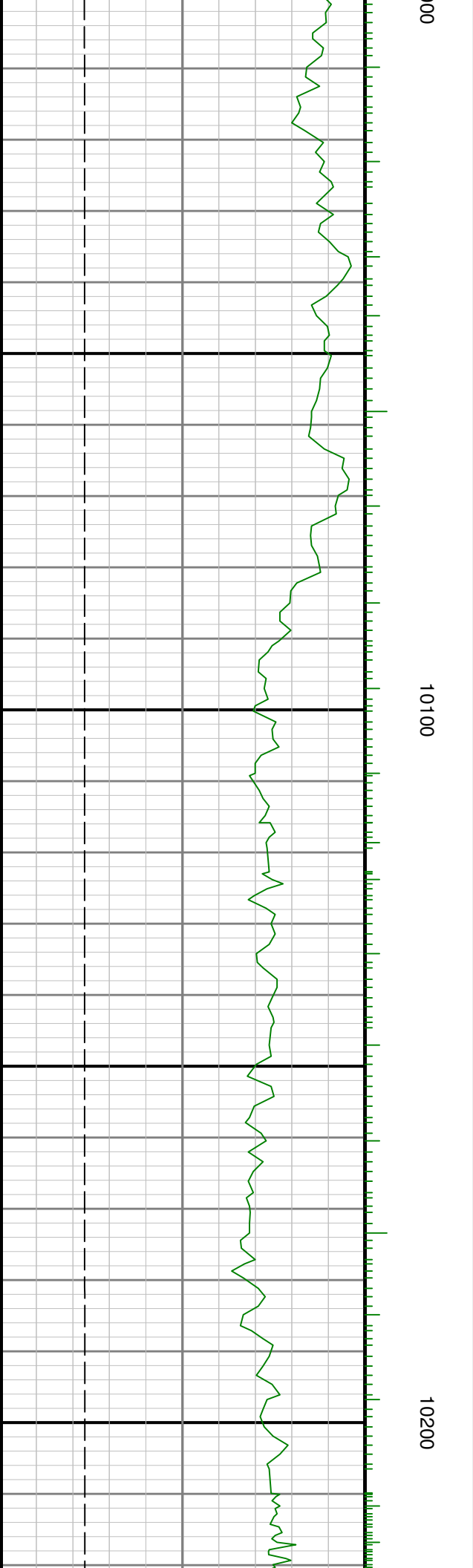
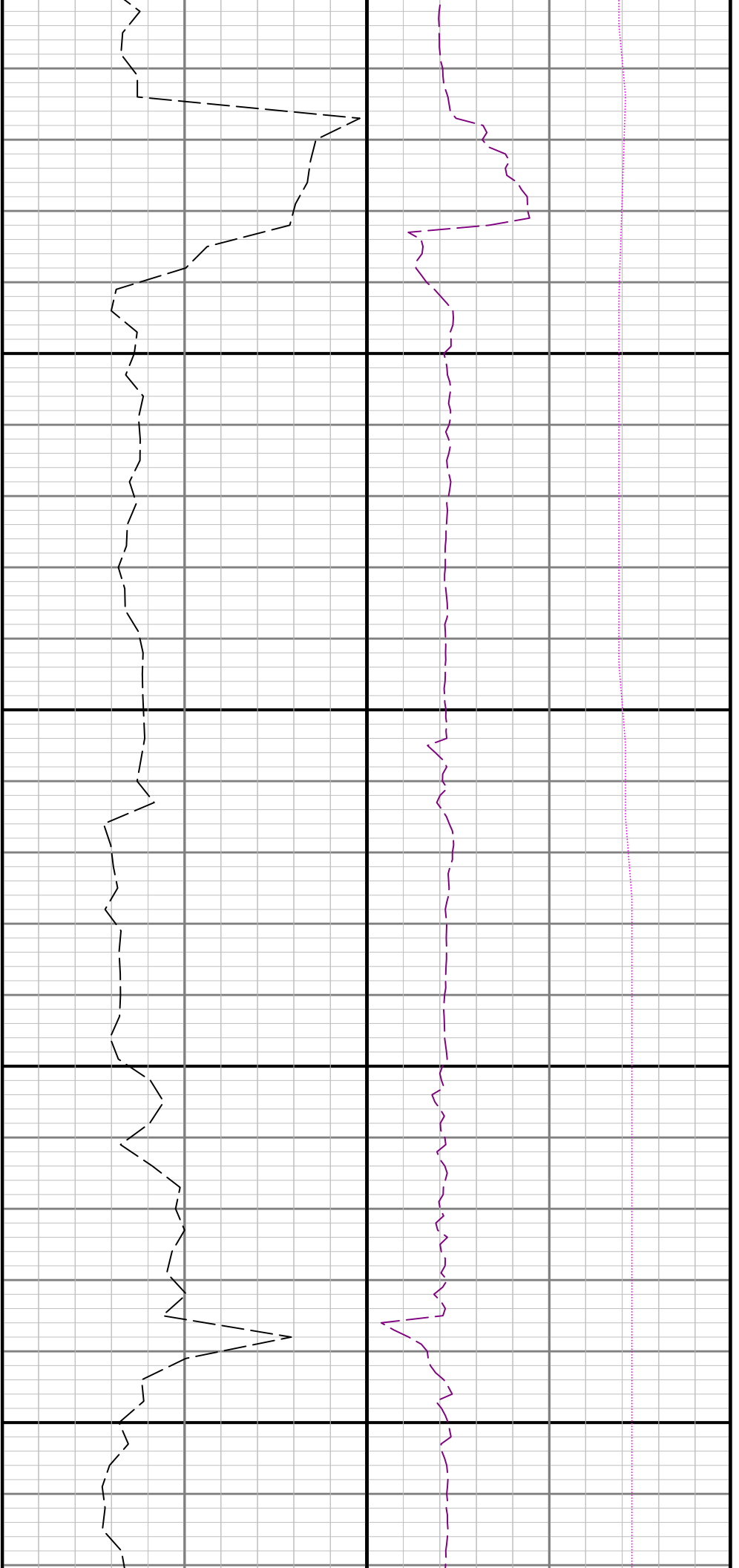


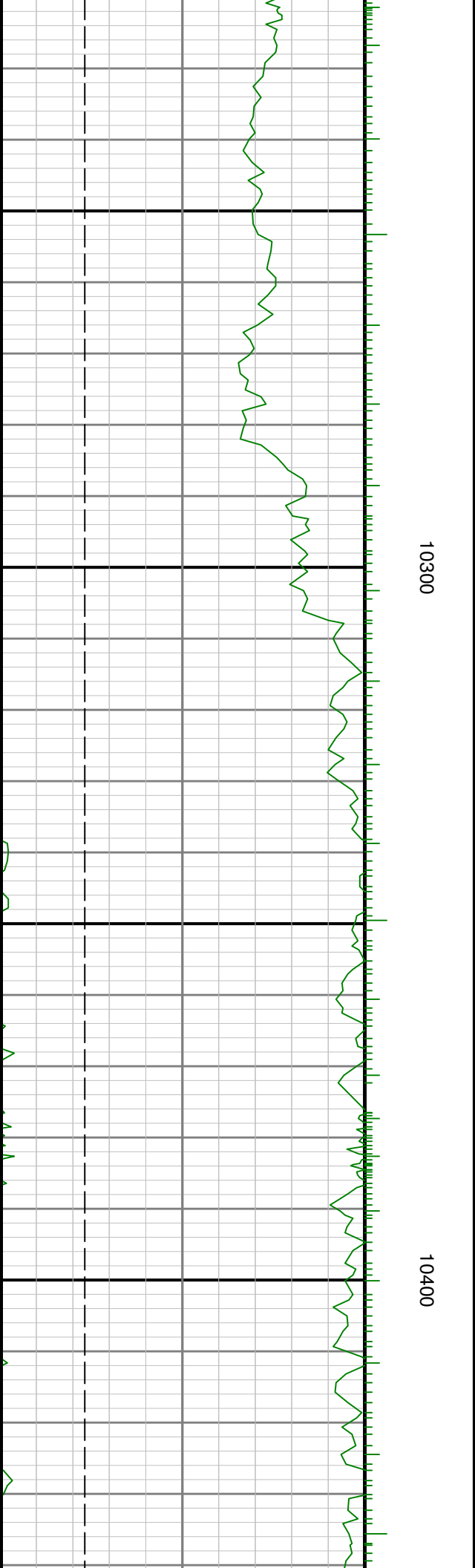
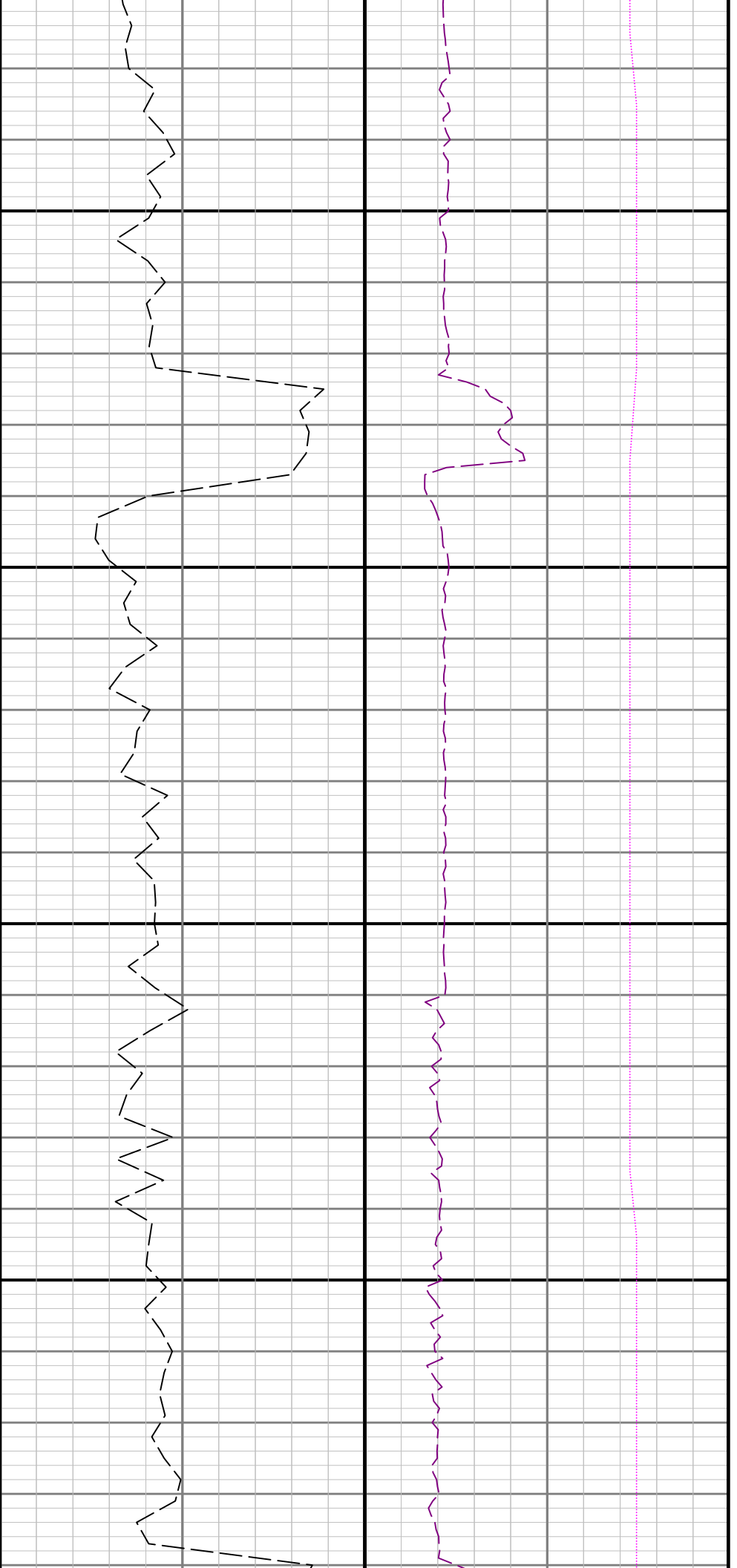
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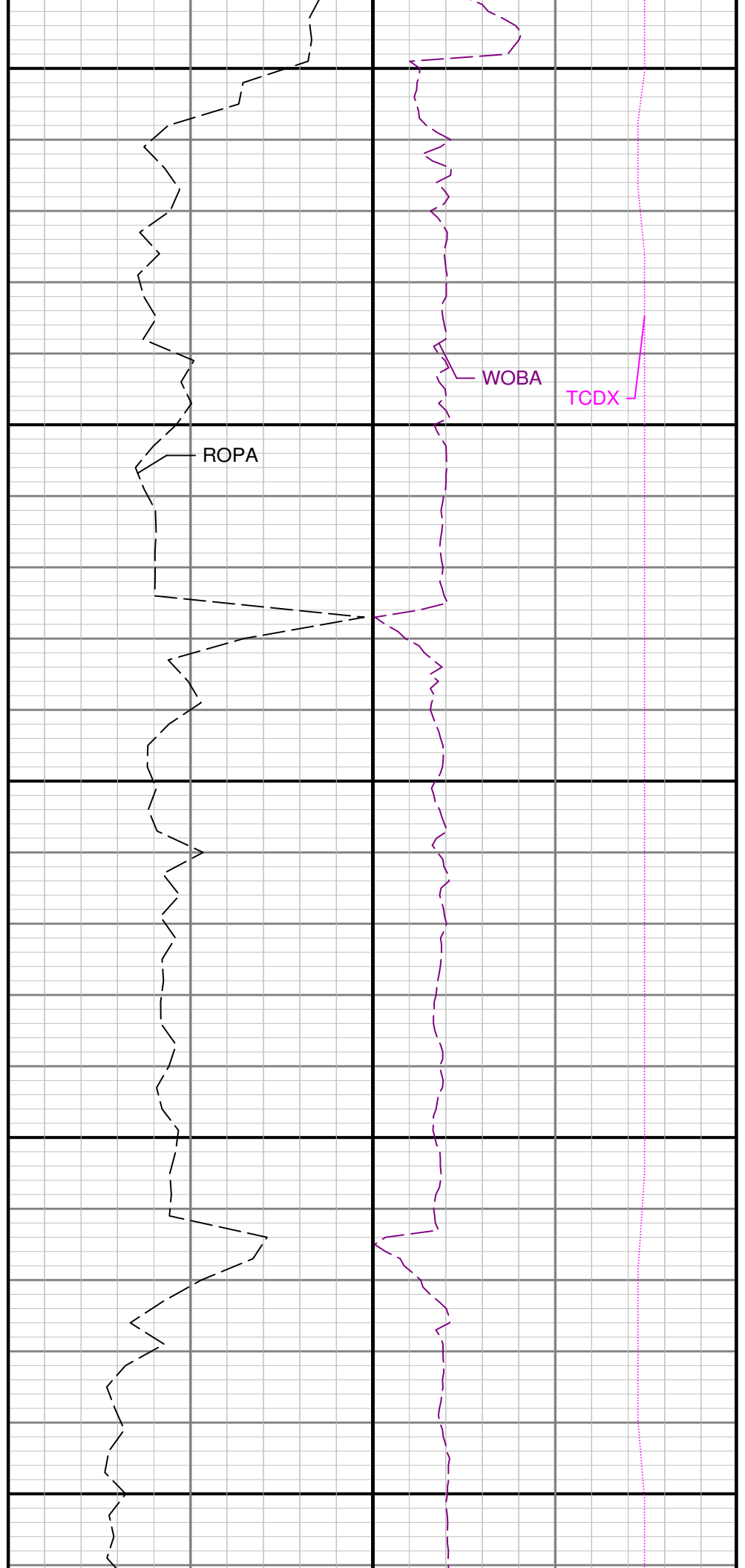
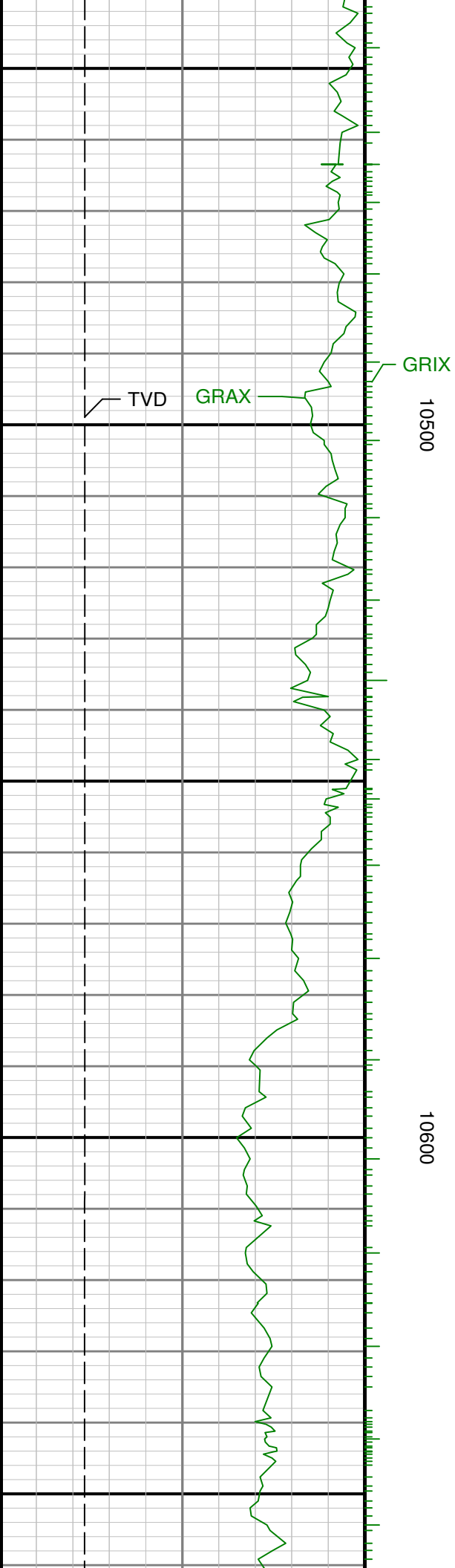
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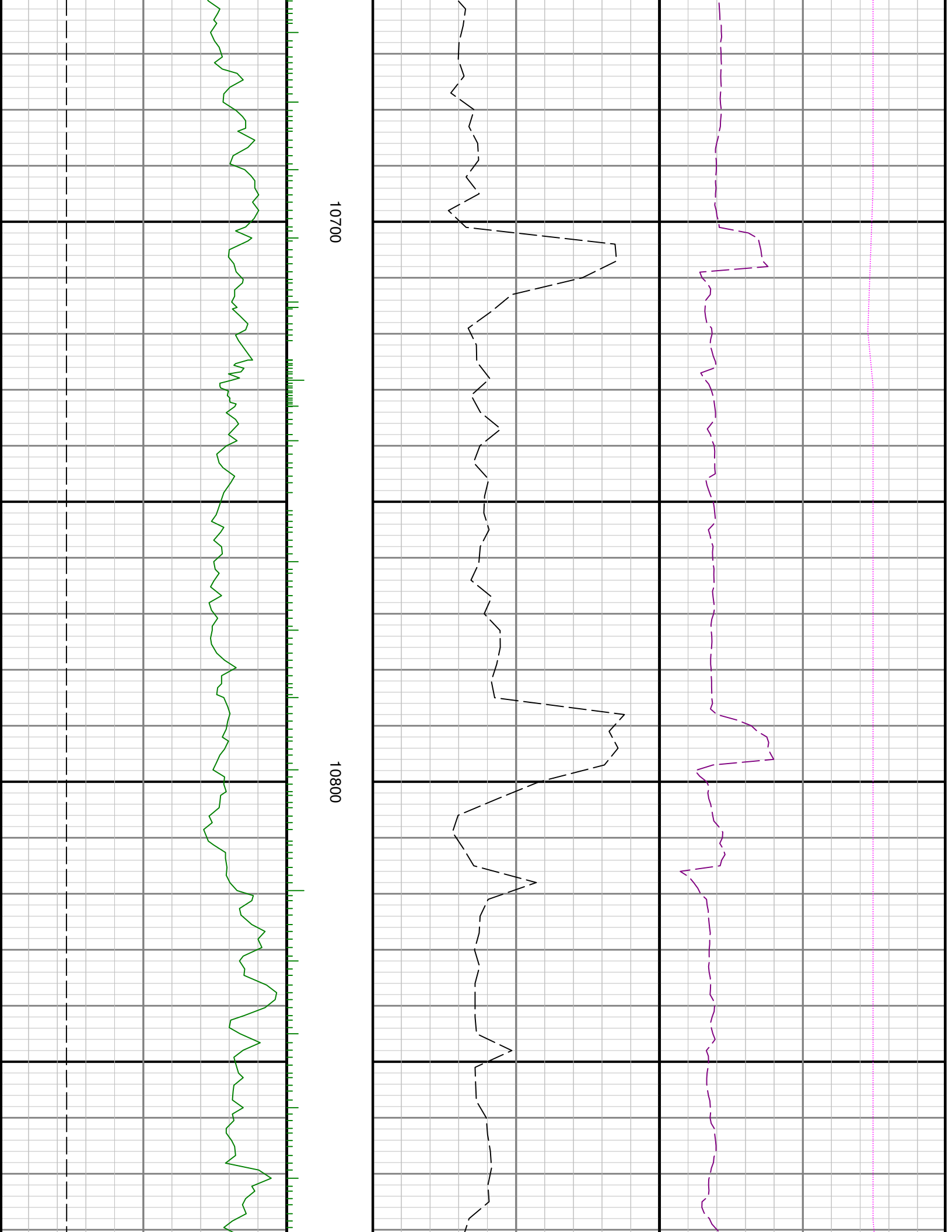


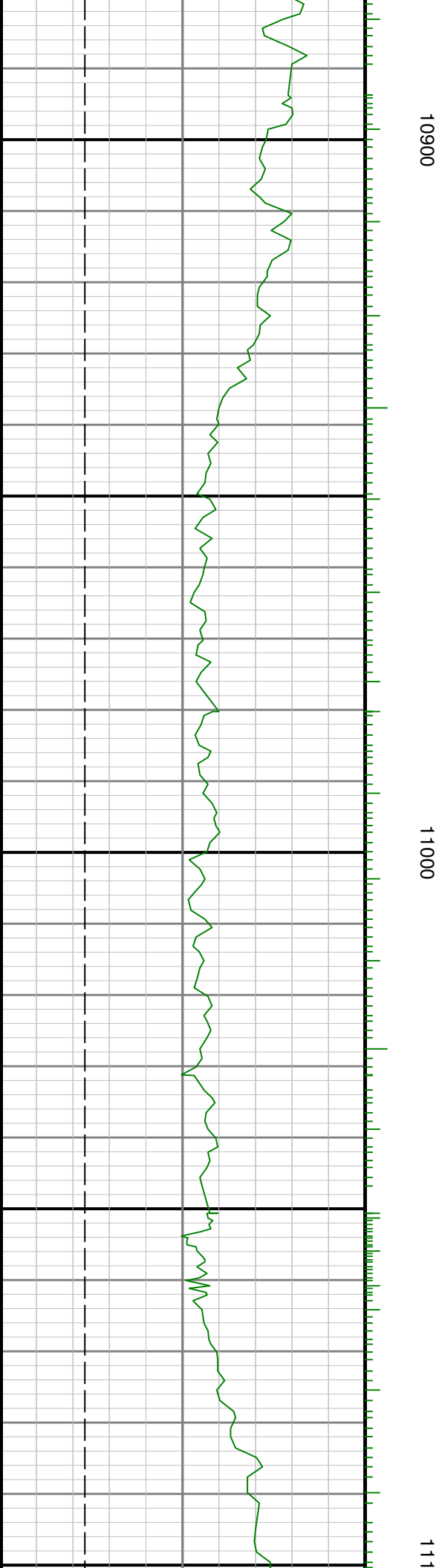
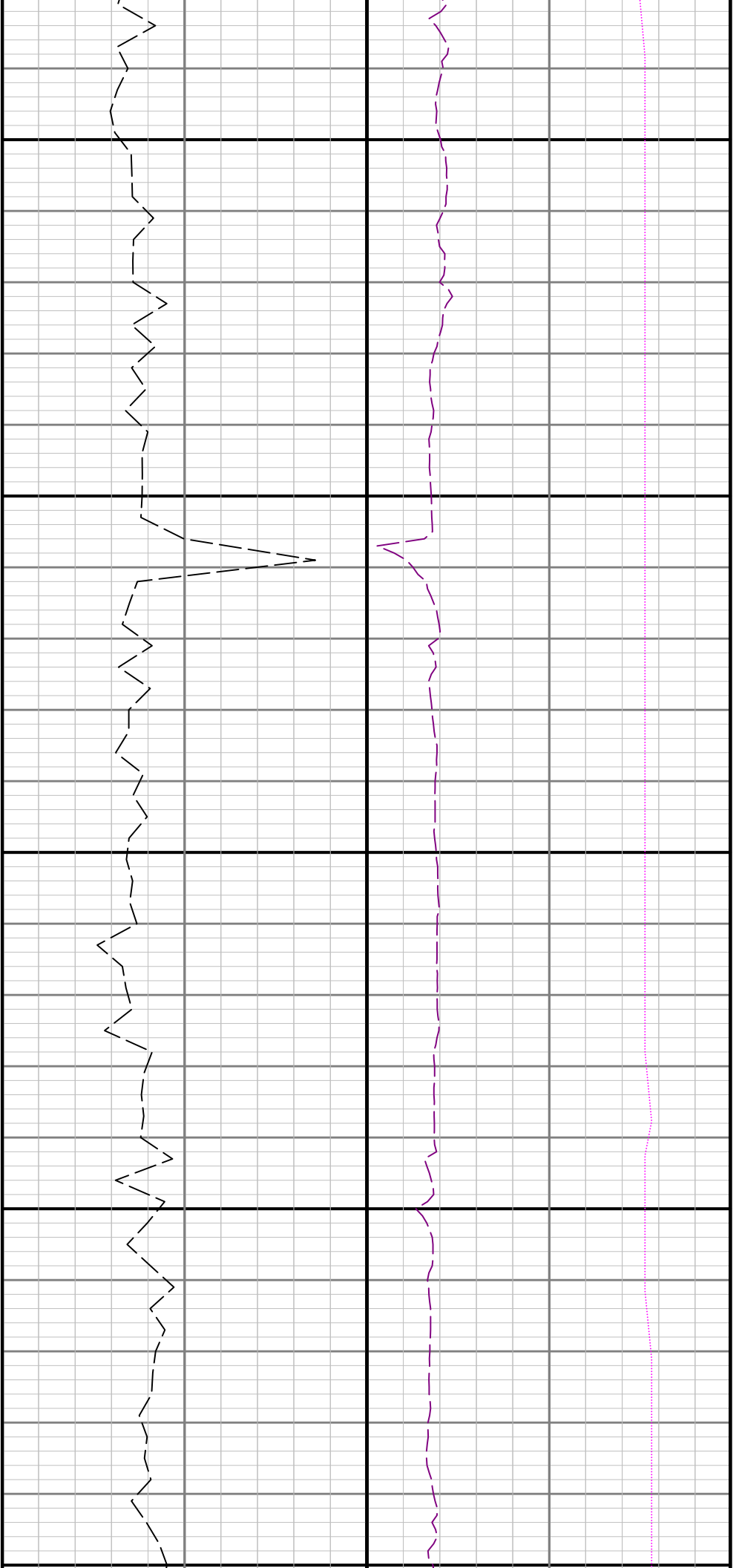


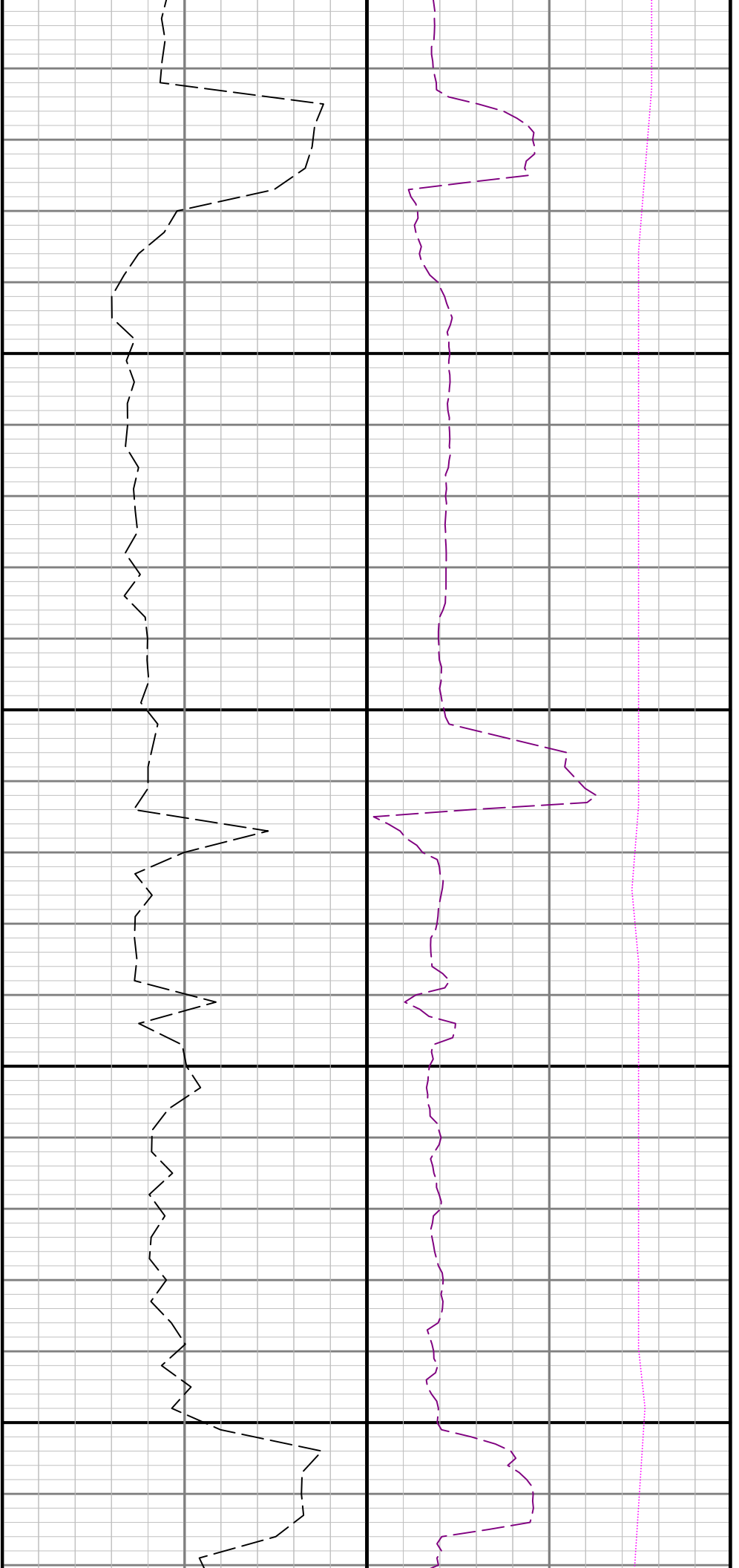








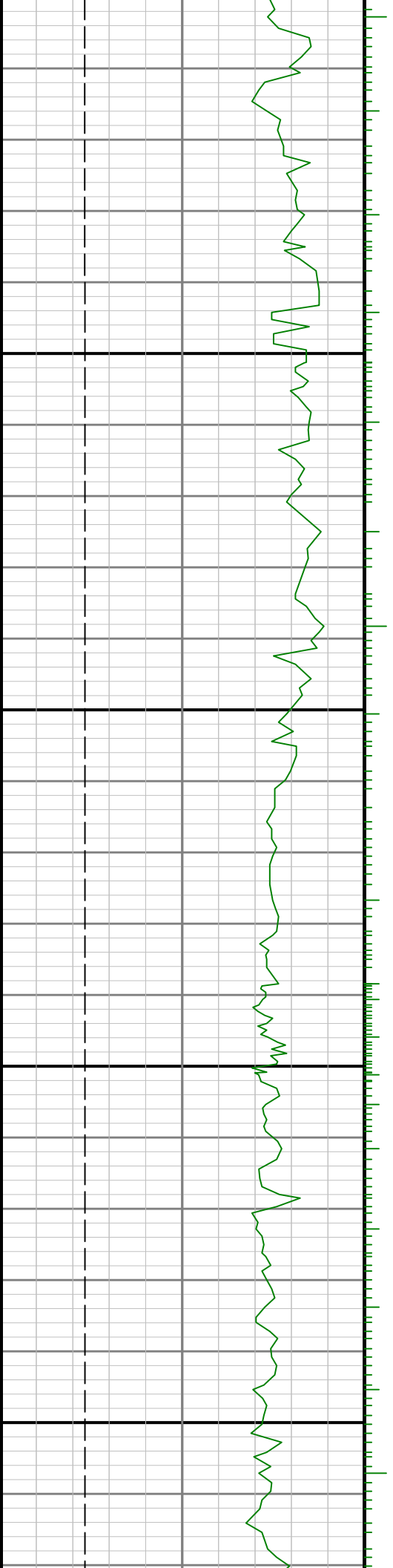


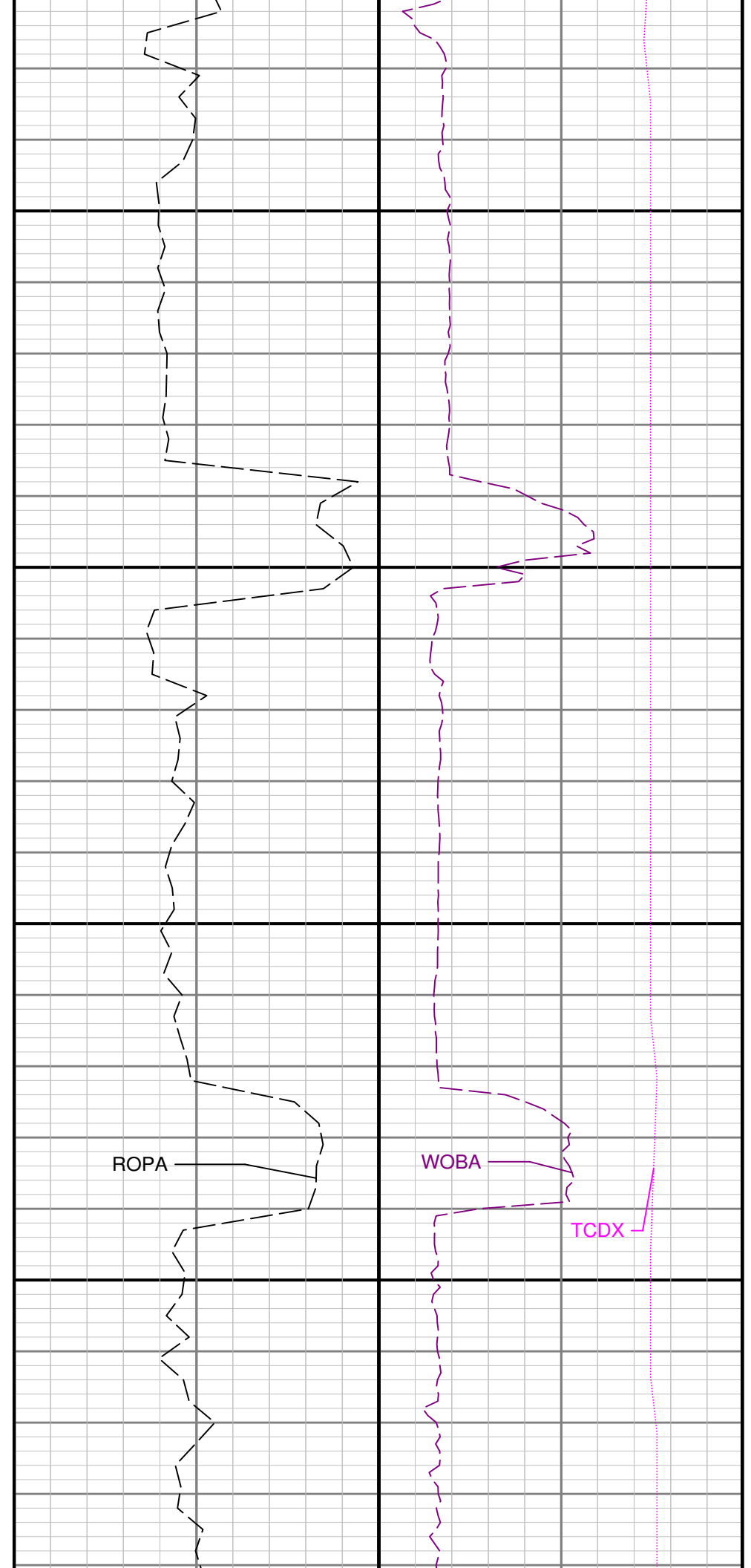
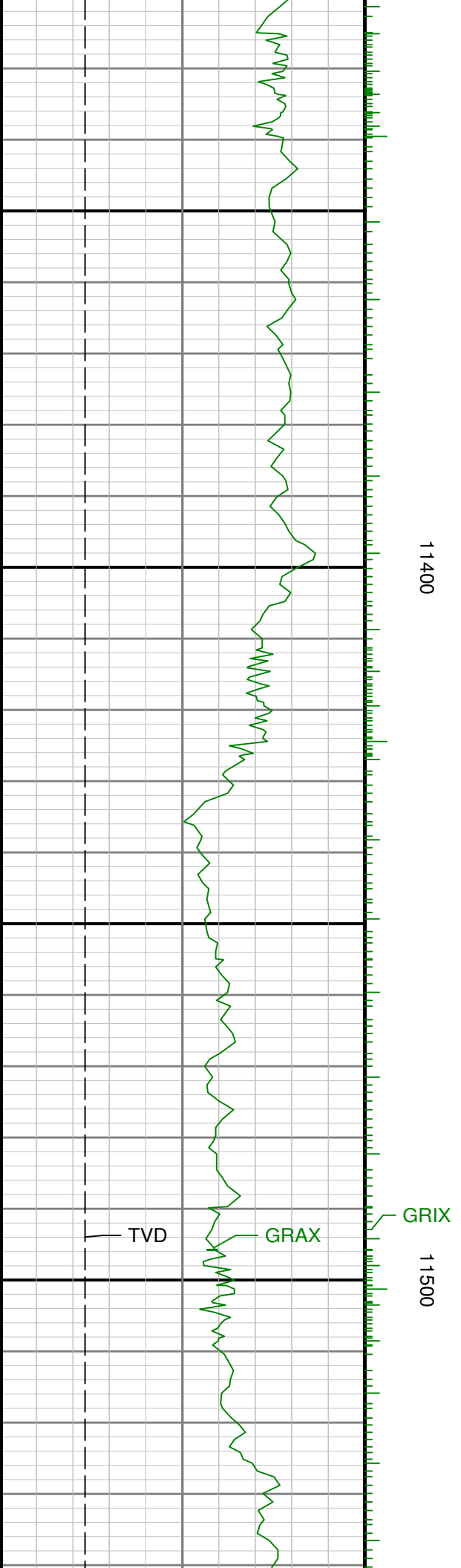


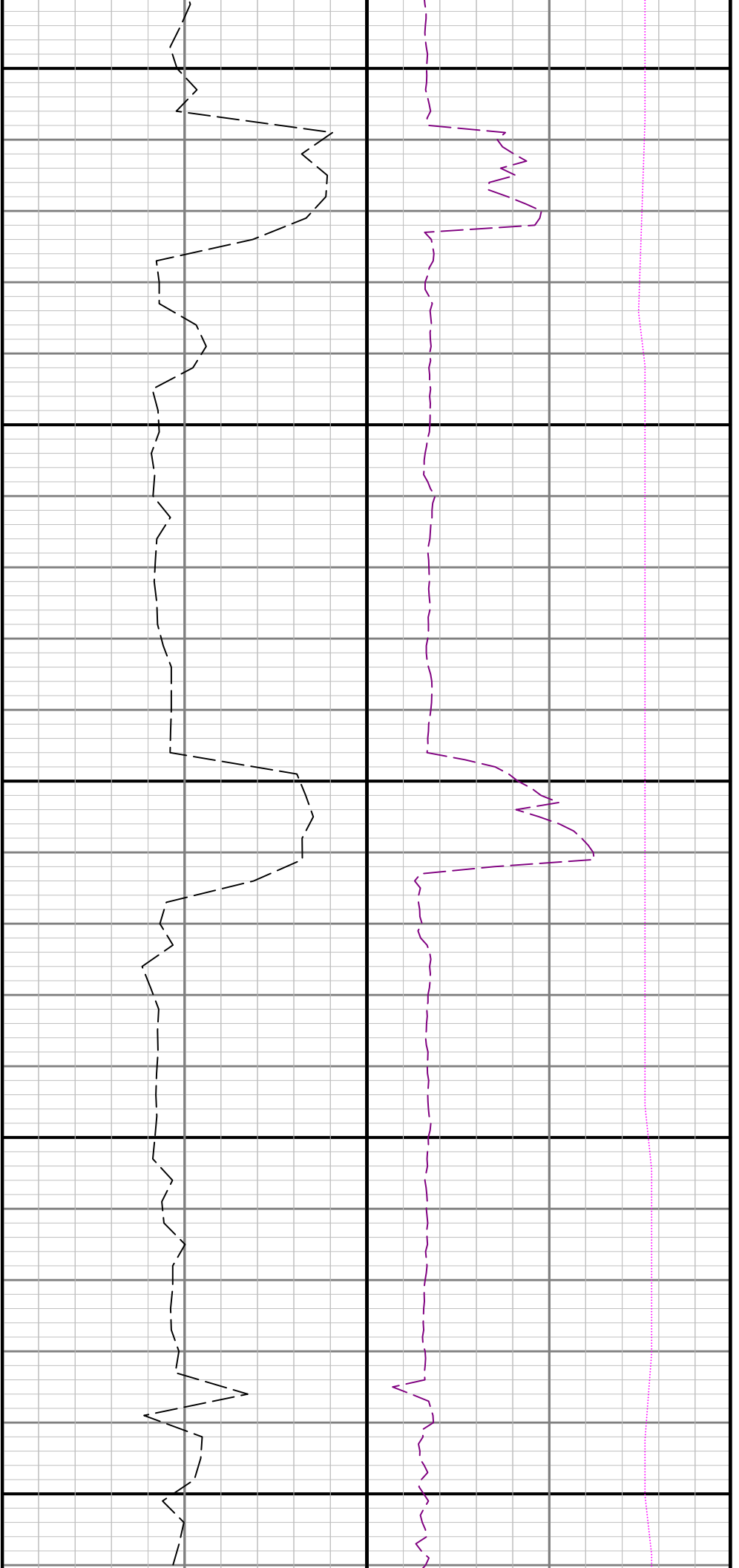
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